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July 21, 1941

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Caproic Acid	$CH_3CH_2CH_2CH_2CH_2COOH$	203.1	1.1
2—Ethylhexoic Acid	$CH_3(CH_2)_3CH(C_2H_5)COOH$	226.9	0.25

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Volume 140 **July 21, 1941** **Number 3**

OPM Adds Six Items To Critical List

OPD Washington Bureau
July 14, 1941

The Priorities Division, Office of Production Management, has issued a revised priorities critical list containing six new items. Except for certain specified items which are subject to industry-wide control by the Priorities Division, most of the materials which appear on the list are subject to priority control only in the same sense that Army and Navy orders for these items may automatically be assigned preference ratings.

The new materials which have been added to the list are as follows:—Fire prevention and fighting equipment, all types; halowax (plasticized chlorinated naphthalene) for insulating wire; laboratory equipment; hospital and field; neatsfoot oil; oxygen manufacturing unit, portable; and rubber; raw, processed, and fabricated.

OPACS Sets 6c. Base For Gulf Coast 'Gas'

OPD Washington Bureau
July 17, 1941

All petroleum refiners in the Gulf coast area were today requested by Leon Henderson, administrator, Office of Price Administration and Civilian Supply, to maintain a base price of 6 cents for Gulf coast gasoline. It was pointed out that the quoted low of the market for this gasoline has gone from 3⅝ cents per gallon on the first of the year to 6 cents per gallon on June 19, 1941, when the oil industry was requested to maintain consumer prices at present levels, except after prior consultation with OPACS. Several cargoes have recently been reported moving at prices ranging from 6¼ to 6½ cents.

OPACS officials indicated that prompt consideration will be given to any requests by small refiners for permission to effect transactions at higher prices in order to avoid unusual hardships consequent upon the industry readjustments which may be necessary by reason of the shortage of tankers to carry petroleum products from the Gulf to the East coast.

Mr. Henderson also announced that several large marketers on the Eastern seaboard, including Standard Oil of New Jersey and the Socony Vacuum Oil Company have withheld proposed advances of the service station price of gasoline after consultation with OPACS. These advances will be reconsidered when it is possible to evaluate the extent to which increases in the cost of transportation from the producing areas to the East coast will be relieved by plans now being worked out by the Office of the Petroleum Coordinator for National Defense.

Aluminum Relief Plan Offered by C.I.O.

OPD Washington Bureau
July 17, 1941

An increase of "at least one billion pounds a year" in aluminum production would be assured with the adoption of a program prepared by N. A. Zonarich, president of the Aluminum Workers of America, President Philip Murray of the C.I.O. said today. Mr. Murray presented the union's proposal to President Roosevelt with the assertion that private industry and government have "completely failed to eliminate the serious bottleneck now existing in the aluminum industry."

In its report, the union charged that in times of emergency, industrial

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Cole Pipeline Bill Approved by Senate

OPD Washington Bureau
July 16, 1941

The senate today unanimously approved a bill, introduced by William P. Cole, jr. (D., Md.), which is designed to facilitate construction of pipelines from petroleum-producing areas to the Eastern seaboard. Under the measure, pipeline from 900 to 1,300 miles in length, costing $60,000,000, would be constructed within six months. The senate approved an amendment limiting the authority over pipelines to June 30, 1943.

Industrial Specialists Wanted by Government

OPD Washington Bureau
July 14, 1941

Persons who know industrial methods and processes from actual experience in production or distribution activities or in scientific pursuits are being sought for government service, to contribute their part toward the integration of the expanding defense program. The United States Civil Service Commission has announced an examination for industrial specialist positions paying from $2,600 to $5,600 a year. The examination (announcement No. 102) is open for one month only. Applications will not be accepted at the commission's Washington office after August 7.

Industrial specialists may be called upon to perform any of three types of jobs. The first is that of liaison representative in developing and maintaining working relationships

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Price Control Legislation Will Be in Congress Soon

OPD Washington Bureau
July 17, 1941

Legislation authorizing the Office of Price Administration and Civilian Supply to fix price ceilings will be introduced simultaneously in the house and senate next week, it was indicated today by congressional leaders following a lengthy conference with Price Administrator Leon Henderson. Provisions of the legislation, including the highly controversial questions of whether raw material costs and wages will be included, were closely guarded secrets, pending an expected message to Congress from President Roosevelt urging enactment of the legislation.

The conferees insisted that "nothing definite" had been decided with respect to the actual form the bill would take, but indicated that labor provisions and rentals would not be included in the measure. It is expected that the bill as introduced will not prohibit the setting of ceilings on prices for farm products and processed agricultural products. However, this is certain to provoke a fight, as members of the farm bloc in both houses have already served notice that they will make every effort to include a provision in any such legislation which would prohibit the setting of prices at levels which would not bring the farmer the full parity price for his products.

Base Period in Past

It was indicated by some of the conferees that the legislation would be in the form of a modification of the proposal made by Bernard M. Baruch, chairman of the old World War Industries Board. Instead of fixing prices as of some future date, as proposed by Mr. Baruch, it is expected that a "base period" in the past will be selected and the ceilings fixed according to average price during that period.

Attending the meeting, in addition to Vice-President Henry Wallace, in whose office it was held, were Speaker Sam Rayburn, Representative John McCormack, and Senator Alben Bark-

—Continued on page 35

Import Freedom Urged For Defense Articles

OPD Washington Bureau
July 17, 1941

Tactics of protection against inflation feared as a consequence of buying for national defense direct or via Great Britain, have been laid out on a line apart from direct price control by a bill in Congress to free "defense articles" from import duties and import and internal-revenue taxes.

This bill (H.R. 5032 with a companion in the senate) by Representative Doughton provides as follows:—

That notwithstanding any other provisions of law no import tax or duty, internal-revenue tax, or other charge of like character shall be levied, collected, assessed, or paid upon the importation or withdrawal of any article certified by a department or agency of the United States to be a defense article within the contemplation of this act and entered for consumption, or withdrawn from warehouse for consumption, by or on behalf or such department or agency.

The bill's definition of "defense article" is broader yet than that in the lend-lease act; it is as follows:—

(1) Any weapon, munition, aircraft, vessel, or boat.

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Tung Oil Cultivation

By B. F. Williamson

Contribution to first annual Southern Chemurgic Conference, Nashville June 18, 1941

I have often been asked the cost of planting and bringing a tung oil grove into bearing. The figures given will vary, but represent an average based on the experience of some of the larger planters of tung oil trees: the following are the highlights of the tung oil industry.

The approximate cost of suitable tung oil land, cleared and planted to the best pedigreed trees—these trees have shown in some instances over 100 percent greater yield than original random trees, and are the result of careful seed selection and breeding over a period of twenty years—is $100 per acre. It will cost approximately $100 more to bring these trees into bearing and will require four to five years. The latter $100 will be spent over a period so that all the money will not be invested at once. At the end of the period the groves should be self-sustaining.

After twenty years of planting all the way across the continent as far north as the Carolinas, this Florida area has shown the greatest growth and yield. It appears that the best area for the growing of these trees where the soil and climate are most suited will be limited.

No fungous or insect enemies have seriously attacked these trees either in this country where they have been grown for twenty-eight years in test plots or in China where they have been grown for thousands of years.

This is a staple crop, easy to harvest; the nuts fall in October and are allowed to remain on the ground until they are thoroughly dry and then can be raked up and put into the barn. Nuts falling in October are perfectly sound and the oil content uninjured even when left until the following February. This makes the harvest simple and inexpensive and the crop if made can not be lost unless the grower is too lazy to get out and pick it up.

Care of Orchards

Trees should be kept free from grass and weeds and the middles planted in cover crops that enrich the soil. Livestock (sheep and cattle) may be grazed on the cover crop after the trees are three to four years old. Cover crops should be planted for both Summer and Winter. This reduces the cost, as the cattle or sheep eat the grass and some of the weeds. No credit, however, in this estimate is given to the livestock.

Trees I planted in 1924 and 1925 are now shading the ground sufficiently so that there will be little further expense of cultivation. A small expense of cultivating trees, which we do largely with a mechanical, inexpensive machine, will constitute the future expense, plus a proper amount of the right kind of fertilizer and the harvesting of the nuts.

In a cut of the grove in one planting for two years, trees six to seven

—Continued on page 47

British to Get Rosin Under Lend-Lease Law

OPD Washington Bureau
July 15, 1941

The Federal government is preparing to send Great Britain a substantial quantity of rosin under the terms of the lend-lease law. The rosin is to come from government stocks now held by the Commodity Credit Corporation.

It was also revealed today that the British have made an informal request for 90,000 barrels of turpentine, 17,000 tons of liquid rosin, and 3,000 tons of pinetar, as well as approximately 250,000 barrels of rosin.

At the present time the Commodity Credit Corporation has slightly less than 1,000,000 barrels of rosin in stock, and this year's production is expected to reach only about 1,000,000 additional barrels. This figure is approximately 40 percent below the average production for the last five years. The bulk of the rosin now held by the government is graded from "G" to "N."

The British request for turpentine is far in excess of available governmental stocks, the Commodity Credit Corporation now having only 60,000 barrels on hand. While no decision has yet been made with respect to the amounts of these commodities which will be shipped to Britain and paid for out of lend-lease funds, the corporation is now studying the requests, and it is expected that an announcement will be made shortly.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals, oils, and drugs is currently as follows:—

July 18, 1941.	July 11, 1941.	July 19, 1940.
125.2	**124.9**	**100.7**

Dyestuffs, textile and leather chemicals, oils, fats, and waxes; drugs and fine chemicals, and aromatic materials are up from the preceding week.

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Closing Markets

Cottonseed Oil Quiet

Refined cottonseed oil futures remained quiet Friday, traders being disposed in many cases to hold off for further developments. Changes in prices were moderate. Crude oil was nominal in the absence of any increase in offerings. Coconut oil was steadier among second hands with bids reported on the coast at 6 cents after sales at 5¾c. Further moderate sales of tallow were reported at 8c. for extra.

Defense Materials Price-Trend Index

During the week ended July 12 the Bureau of Labor Statistics' index of prices of strategic materials resumed its advance, rising to 139.6 percent of the August 1939 average, a new high since the outbreak of the war in Europe. Increases in prices of tin, raw silk, mercury and manila fiber were responsible for the advance. Rubber was the only one of the strategic materials which declined in price during the week.

There were no changes in quoted prices of critical materials and the bureau's index remained at 114.4 percent of the pre-war level for the fourth consecutive week.

Index numbers of market prices of strategic and critical materials are:—

(August 1939=100)

1941.	Strategic.	Critical.
June 28	139.3	114.4
July 5	139.3	114.4
July 12	139.6	114.4

Bids Wanted

Acetic Acid:—900 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 5, opening July 21.

Acetylene Gas:—Supplies; Navy Purchasing Office, 90 Church street, N. Y.; schedule 7979, opening July 25.

Alcohol, Ethyl:—500,000 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 82, opening July 28.

Aluminum, Flake:—31,000 pounds; Navy Purchasing Office, 90 Church street, N. Y.; schedule 7914, opening July 21.

Ammonia Nitrate:—10,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 23, opening July 23.

Baking Powder:—210 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 7867, opening July 22.

Beeswax:—6,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 85, opening July 29.

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Libbey-Owens to Appeal Laminated Glass Suit

Toledo, Ohio, July 15, 1941

The Libbey-Owens-Ford Glass Company, this city, will appeal the patent infringement suit in which the Celluloid Corporation, Newark, N. J., last week was given a favorable ruling in Federal court here. The court held that Libbey-Owens-Ford infringed on Celluloid's Walsh patent in its manufacture of laminated automobile glass.

Amos L. Conn, who served as special master in the case, previously ruled in favor of Libbey-Owens-Ford in the major aspects of the suit. Mr. Conn held that insofar as the manufacture of safety glass for use in automobiles was concerned the Walsh patent was not infringer. Federal court ruled, however, that the utility of a patent cannot be the controlling factor.

The patent related to the insertion of pliable sheets and chemical compositions between layers of glass. Libbey-Owens has denied that celluloid was used in the manufacture of its safety glass.

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Chemical Price Level Holds

There was a variety of price advances last week in the markets for heavy and fine chemicals, and a single reduction. The level was not perceptibly changed as the net result. The movement mainly reflected direct effects of defense buying and was influenced somewhat by exiguous imports.

Business was all that it might be in volume, some further restrictions being laid by sellers. Second-string suppliers were being more and more pressed to find anything to sell; their quotations generally were being boosted with each new transaction. The erection of price ceilings will lay quite an obstacle in some circles; army buyers are asking for them here and there.

Prices were advanced on acetic anhydride, calcium chloride, tetrachloride of tin, dibutyl phthalate, menthol, divi-divi, liquid extract of quebracho, Argentine casein, domestic and imported egg yolk, gum rosin, gum and steam-distilled wood turpentines, rosin oil, imported dried blood and steamed bone, and tankage in the local market.

Quotations on castor beans were lowered.

The REPORTER's composite index number of prices for heavy and fine chemicals remained at 135.3 (100=average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 95.8, compared with 91.7 at this time last year and 88.7 in 1939. (These index numbers will be abandoned shortly for the more comprehensive series appearing in the first column).

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F.T.C. Hits Pooling Sales Through Agent

OPD Washington Bureau
July 16, 1941

Three hardwood charcoal producers occupying a dominant position in the sale and distribution of that commodity in the Southern and Southwestern States, and their exclusive sales agent, are charged with a combination and conspiracy to restrain trade through price fixing and other practices, in a complaint issued by the Federal Trade Commission.

The complaint alleges that the respondent producers have carried out a conspiracy combination and agreement to discontinue, eliminate and suppress all price competition between and among themselves and to monopolize in themselves the sale of hardwood charcoal in their territory, and that, pursuant to such combination, they organized Hardwood Charcoal Company, their sales agent, to sell their entire hardwood charcoal production.

The complaint further alleges that the respondents, in order to carry out their conspiracy, combination and agreement, have (1) fixed and maintained identical delivered prices at which hardwood charcoal is sold by them to dealers and distributors, and

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Western Resources Study By U.S. Nears Completion

OPD Washington Bureau
July 16, 1941

Preparations are nearing completion for the presentation to the public lands committee of the senate, under the O'Mahoney resolution, the story of the practically unlimited resources of the West. Executives of the principal railroads which serve the West and the experts of the Department of the Interior will tell the story of the huge undeveloped natural deposits of the public lands according to the plan outlined by Senator Joseph C. O'Mahoney of Wyoming, chairman of the committee in charge of the study.

Senator O'Mahoney introduced his resolution at the beginning of the present session to authorize a complete study of Western mineral resources, with a view toward (1) providing for more effective development and utilization of such resources for the purposes of national defense, (2) fostering free competitive enterprise

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Motor Carrier Wage Hearing Set for Sept. 8

OPD Washington Bureau
July 15, 1941

A committee to recommend minimum wage rates for the property motor carrier industry has been appointed by General Philip B. Fleming, Administrator of the Wage and Hour Division of the Department of Labor. The committee will conduct a hearing here September 8.

The committee is directed to investigate economic and competitive conditions in their respective industries and to recommend the highest minimum wage up to 40 cents an hour which will not substantially curtail employment in the industry. Any persons or organizations wishing to appear before either of the committees should communicate with Burton E. Oppenheim, director of the industry committee branch, Wage and Hour Division, Washington.

Copper-Base Alloys Now Under Priorities Control

OPD Washington Bureau
July 16, 1941

Major amendments to the General Preference Order providing priority control over copper were announced today by E. R. Stettinius, jr., Director of Priorities. The amendments to the copper order (M-9) extend control to cover copper-base alloys and fabricated products made from copper or from copper-base alloys, such as brass or bronze. The original order was designed to regulate the distribution of refined copper in prefabricated form by refiners.

Eagle-Picher Elects Bowlby President

The Eagle-Picher Lead Company, Cincinnati, has elected J. M. Bowlby as its new president, to succeed Joseph Hummel, jr. Mr. Hummel, who has been associated with Eagle-Picher for fifty years, had asked to be relieved of his active duties, and has been elected chairman of the board. Mr. Bowlby will assume his new duties September 1.

A native of Litchfield, Ill., Mr. Bowlby began his business career with Railway Steel-Spring Company,

Underwood & Underwood

J. M. Bowlby

now a division of American Locomotive Company. Following a varied experience in commercial and investment banking fields, he served in the United States military forces, both at home and abroad, rising to the rank of major.

In 1921 Mr. Bowlby became associated with Barrow, Wade, Guthrie &

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OPACS Appoints Linz To Specialize in Lead

OPD Washington Bureau
July 16, 1941

Appointment of Paul Linz, widely known in the non-ferrous metals industry, as commodity specialist in the Price Division, Office of Price Administration and Civilian Supply was announced today by Dr. J. K. Galbraith, Assistant Administrator in charge.

Mr. Linz has resigned as a partner in Carl M. Loeb, Rhoades & Co., New York, to assume his new duties at OPACS, where for the present he will devote his attention principally to lead. While with the New York firm Mr. Linz organized and managed the commodity department. He was previously employed by the American Metal Co., Ltd., for seventeen years, during five of which he managed the tin department. He spent several years abroad establishing and managing London and Berlin offices for American Metal.

Paint Wage Minimum Open Till July 21

OPD Washington Bureau
July 16, 1941

Extension to July 21 to the time for the filing of briefs with respect to the determination of the prevailing wages in the paint and varnish industry, was announced today by L. Metcalfe Walling, administrator of the Division of Public Contracts, Department of Labor. Mr. Walling explained that it has been represented to him that the period allowed, which expired July 5, was not long enough to permit all the members of the industry who desire to do so to express their views.

The original notice, issued June 21, granted an opportunity to all persons interested, before the entry of a decision by the Secretary of Labor, to register objections to or approval of the recommendations of the Public Contracts Board which were based on evidence introduced at a public hearing. A copy of the board's recommendations was attached to the notice.

Mustard Gas Repellent Developed by C.W.S.

OPD Washington Bureau
July 14, 1941

The Chemical Warfare Service has developed a preparation with a neatsfoot oil base which will protect the feet of soldiers against burning by mustard gas. The new preparation is described as a specific neutralizer for mustard gas. It is in paste form and is packed in tins similar to those used for shoe polish. It is applied to their shoes by soldiers when they are about to enter an area that is known to be or suspected of being "dosed" with the gas.

Contracts totaling about $600,000 have been let to the following corporations for the manufacture of the protective paste:—Baldwin Laboratories, Seagertown, Pa.; the Ernst Bischoff Company, Memphis, Tenn.; the National Oil Products Company, Cedartown, Ga.; the Globe Crayon Company, Barbertown, Ohio; the R. M. Hollingshead Corporation, Camden, N. J. The Bischoff company is building a new plant in Memphis.

It is expected that the foregoing contracts will be considerably augmented through letters of intent. One such letter has been issued to Vortexal, Saugus, Mass.

The Chemical Warfare Service reports that it has covered its requirements of neatsfoot oil for the current calendar year. A substantial portion of the oil required for making the new protective was contracted for in South America because of substantial savings in cost.

Shellac Associations Fight Price Boosts

Endeavors to prevent higher prices on shellac in this country are being made by the American Bleached Shellac Manufacturers Association, says Paul W. Fisher, executive secretary of the organization, outlining its cooperation with governmental efforts to avoid inflation.

Transportation charges from India to the United States, Mr. Fisher points out, represent a substantial portion of the selling prices in this country of imported unprocessed shellac and of bleached shellac, shellac varnish, and other shellac products. Because of the withdrawal by the British government of many vessels formerly serving the Calcutta-New York trade, there has been considerable interruption in shipments since the first of the current year. Cargo rates on Conference Lines vessels have advanced, and a very substantial portion of the shellac importations during the first half of

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U.S. Blacklist Names 1,800 Firms, Persons in Latin America

OPD Washington Bureau
July 17, 1941

President Roosevelt today issued a proclamation making official a list of 1,800 Latin-American firms and individuals believed to be acting for the benefit of Germany or Italy. The list may be obtained in pamphlet form from various governmental institutions and the Federal Reserve Banks. From time to time there will be additions to and deletions from the list which will be made public. The President gave warning that anyone serving as a cloak for a person on the list will have his name added forthwith to the list.

The list has two principal functions. In the first place, no article covered by the export control act of July 2, 1940, may be exported to persons named in the list except under special circumstances. Secondly, persons on the list will be treated as though they were nationals of Germany or Italy within the meaning of Executive Order No. 8389, as amended, under which, on June 14, 1941, the freezing control was extended to all of the countries of the continent of Europe and nationals thereof.

At the time of the issuance of the proclamation, it was also announced that in attaining the objectives of Executive Order No. 8389, as amended, all efforts are being made to cause the least possible interference with legitimate inter-American trade. With that end in view the Treasury Department has issued a general license with respect to inter-American trade transactions and the financial transactions incidental thereto involving persons in other American republics who may be nationals of a European country designated in the order. This general license will permit such classes of transactions without the necessity of applying for specific licenses.

The general license, however, will not apply to persons so long as their names appear on the proclaimed list. Financial transactions which are not incidental to licensed trade transactions are not covered by the general license. With respect to such purely financial transactions, appropriate specific licenses will have to be obtained from the Treasury Department.

The proclaimed list will also serve as a guide to United States firms in the selection of agents and representatives in the other American republics.

Dr. G. D. Beal Awarded 1941 Remington Medal

Dr. George Denton Beal, assistant director of Mellon Institute of Industrial Research, Pittsburgh, has been awarded the Remington Medal for 1941. This honor, bestowed by the New York branch of the American Pharmaceutical Association, is in recognition of meritorious contribu-

Dr. George D. Beal

tions to the advancement of pharmacy as a profession. Dr. Beal's father, Dr. J. H. Beal, was the recipient of

—*Continued on page 54*

Camouflage Paint Needs Discussed with U.S.

OPD Washington Bureau
July 16, 1941

Problems in connection with the raw materials situation and specifications of calcimine and water paints for materials used in connection with the national defense program were discussed at a meeting between government representatives and the calcimine and water paint division steering committee of the National Paint, Varnish and Lacquer Association here today. While no details of the meeting could be ascertained, discussion was said to be concerned mainly with the use of water paints as camouflage materials. Among those present were:—

E. F. Hickson and J. E. Keefauver, of the National Bureau of Standards; Frank Munns, of the Atlantic Calcimine Company; P. E. Sprague and E. A. Burgkoff, of the Glidden Company; W. W. Barnard, of Westcoe Water Paints, Inc.; Carl Iddings, W. M. Clark, L. R. Oest, and J. A. Greenzer, of the Muralo Company;

—*Continued on page 44*

N.P.V.L.A. Now Has Industrial Finishes Div.

Chicago, July 14, 1941

The series of Committee Meetings of the National Paint, Varnish and Lacquer Association, held at the Edgewater Beach hotel, covered a wide range of subjects related to the national defense program. President Ernest T. Trigg delivered an address on the relationship of the paint, varnish and lacquer industry to the defense program.

The national industrial finishes committee, of which Paul S. Kennedy met is discussed simplified practices. A tentative program was outlined for the industrial finishes division meeting at the coming annual convention of the national association. It was unanimously decided to change the name of the industrial sales division or industrial division to "industrial finishes division."

The regular quarterly meeting of the advisory committee of the signers

—*Continued on page 44*

Paint Materials Situation

In the printing herein last week of the commentary on conditions of supply and demand of paint, varnish, and lacquer materials by Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, an inexplicable transposition of type played havoc with the intelligibility of the comment on zinc oxide and on oiticica and dehydrated castor oil excerpted from statements contributed respectively by E. V. Peters and M. F. Austin.

For the record and to make the information clear and full for OIL, PAINT AND DRUG REPORTER readers, the contributions by Mr. Peters and Mr. Austin are given in full below.

Zinc Oxide

(By E. V. Peters, vice-president, St. Joseph Lead Company.)

Zinc was early placed on the critical list of vital metals essential to the defense program. There has occurred in the past two years a tremendous increase in the smelting capacity and output of metallic zinc in this country. Over a period of years our normal production and consumption of slag zinc varied from 300,000 to 500,000 tons per year. In 1940 this production had increased to 740,000 tons per year. The indications are that the 1941 slab zinc production will be between 850,000 and 900,000 tons for the year and probably some time during 1942 the domestic output will attain an annual production rate in excess of 1,000,000 tons. Along with this increased demand for metallic zinc and the increased output have come various restrictions, voluntary and otherwise, looking toward elimination of non-essential uses for zinc. The amount of galvanizing has been decreased; 1942 automobile models will greatly reduce the amount of zinc used, especially for ornamental purposes. It was suggested some time ago by the Federal government that the metallic zinc be preserved by producing less French process zinc oxide, which is made from metal. Consumers have been asked by OPM as far as possible to use American process type of zinc oxide instead of French process for the purpose of conserving metallic zinc needed for more vital purposes. This has tended to materially reduce the current rate of production of French process zinc oxide. It is interesting to note in connection with this huge metallic zinc program, that we have attained a point now where roughly 30 percent of the zinc ores and concentrates required to sustain this domestic production, must come from other countries. A substantial portion of these imports have to be seaborne, obviously presenting a problem in the matter of ship's bottoms. This question is now receiving the closest study of the proper authorities in Washington.

Zinc oxide may roughly be divided

—*Continued on page 28*

FINE CHEMICALS
Mallinckrodt
SINCE 1867

Quick Facts about

MALLINCKRODT NUTGALL PRODUCTS

This chart tells you at a glance why Mallinckrodt Tannin Products appeal to so many intelligent buyers. See for yourself the essential points about each grade. Isn't the grade you need there?

NUTGALL PRODUCTS

ACID GALLIC		
Average characteristics	N.F. VI	Technical
Appearance	Yellowish gray flaky powder	Light gray-brown powder
*Mesh	95% passes #120 sieve	100% passes #100 sieve
Bulk	35 fl. oz./lb.	30 fl. oz./lb.
Assay (% anhydrous acid)	92%	89%

ACID TANNIC			
Average characteristics	U.S.P. XI Fluffy	U.S.P. XI Powdered	Technical
Appearance	Pale yellow fluffy powder	Light yellow powder	Brownish yellow powder
*Mesh	100% passes #100 sieve	100% passes #180 sieve	#100 sieve 100% passes
Bulk	195 fl. oz./lb.	25 fl. oz./lb.	25 fl. oz./lb.

ACID PYROGALLIC				
Average characteristics	U.S.P. XI Resub. Medicinal	Cryst. Photo	Tech. Powder	Tech. Lumps
Appearance	White fluffy crystalline powd.	Small irregular white crystals	Dark gray-brown powder	Gray-black lumps
*Mesh	90% passes #100 sieve	Approx. 6-16 mesh	100% passes #100 sieve	Irregular lumps ½-1" diameter
Average bulk	65 fl. oz./lb.	30 fl. oz./lb.	38 fl. oz./lb.	
Melting point	131-133°C	130-132°C		
Average assay by sublimation			Approx. 75-85%	Approx. 75-85%

*All sieve sizes U. S. Standard.

Prices and Literature on these and other Nutgall products can be obtained by writing to Mallinckrodt either at St. Louis or New York.

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CHICAGO PHILADELPHIA MONTREAL TORONTO

Current Market Quotations

July 18, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, cbys., works....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works....lb. .38 - —
100-lb. lots, works....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works....lb. .30 - —
100-lb. lots, works....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots....lb. .33 - —
dms., 25-lb lots....lb. .38 - —
kgs., 2,000-lb. lots....lb. .33 - —
smaller lots....lb. .34 - —
powd., bbls., 2-000-lb. lots..lb. .30 - —
smaller lots....lb. .31 - —
dms., 25-lb. lots....lb. .36 - —
kgs, 2,000-lb. lots....lb. .31 - —
smaller lots....lb. .32 - —
Acetoacetanilide, dms....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .08¼- —
l.c.l., dlvd....lb. .09 - —
tanks, dlvd....lb. .07 - —
Methyl (see M)
Acetonitrile, dms., works....lb. 1.00 - 2.00
Acetophenone, cns., 25 to 50 lbs., lb. 1.40 - 1.45
dms., 100 lbs....lb. 1.35 - 1.37
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms....lb. 1.08 - —
25 lbs., dms....lb. 1.10 - —
Acid, abietic, dms., o ... f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 3.18 - 3.43
cbys., cs....100 lbs. 3.68 - 3.93
56%, bbls....100 lbs. 5.18 - 5.43
cbys., cs....100 lbs. 5.68 - 5.93
70%, bbls....100 lbs. 6.19 - 6.44
cbys., cs....100 lbs. 6.69 - 6.94
80%, bbls....100 lbs. 6.91 - 7.16
cbys., cs....100 lbs. 7.41 - 7.66
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls....100 lbs. 8.30 - 8.55
cbys. ....100 lbs. 8.80 - 9.05
tanks ....100 lbs. 7.50 Nom.
USP, bbls....100 lbs.10.25 -10.50
cbys. ....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks ....100 lbs. 6.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
CP, dms....100 lbs.13.50 -14.00
pure, 30%, bbls....100 lbs. 4.23 - 4.48
cbys., cs....100 lbs. 4.73 - 4.98
36%, bbls....100 lbs. 4.61 - 4.86
cbys., cs....100 lbs. 5.11 - 5.36
60%, bbls....100 lbs. 7.17 - 7.42
cbys., cs....100 lbs. 7.67 - 7.92
80%, bbls....100 lbs. 8.70 - 8.95
cbys., cs....100 lbs. 9.20 - 9.45

Acetic acid price differentials above are for c.l. and l.c.l. quantities, the prices apply delivered within the Metropolitan zones of stock carrying points, and f.o.b. these points for shipment beyond.

Acetic, anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., dms., frt. alld....lb... .13 - —
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works....lb. .31 - —
Anthranilic, refd., bbls....lb. 1.15 - 1.20
tech., bbls....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs....lb. .44 - —
900 lbs. or less....lb. .47 - —
USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,900 lbs....lb. .55 - —
900 lbs. or less....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs....lb. .56 - .57
99 lbs. or less....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis....lb. .23 - —
tanks, same basis....lb. .21 - —
Broenner's, bbls....lb. 1.11 - —
Camphoric, cns....lb. 6.95 - 7.00
Capric, dms....lb. .19 - .19½
Caproic, dms., works....lb. .25 - .30
Caprylic, dms....lb. .27 Nom.
Castor oil, split, dms....lb. .17½- .18
Chlorosulphonic, dms., c.l., wks. lb. .0350- —
5-drum lots, works....lb. .04 - —
single drum....lb. .05 - —
tanks, works....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N.Y. lb. .16¾- —
smaller quantities, dlvd. N. Y..lb. .17¼- .18¼
Cinnamic, refd., bots....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots....lb. .23½- .26½
Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.
Cleve's, bbls....lb. .65 - —
Coconut oil, dist., dms....lb. .16 - .16½
Cottonseed oil, dist., dms....lb. .13¾- .14¼
tanks ....lb. .13¼- —
Cresylic (coaltar), high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
imported, pale, dms...gal. .90 Nom.
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East U.S....gal. .58 - —
l.c.l., same basis....gal. .59 - .60
tanks, dlvd., East. U.S.gal. .54 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .64 - —
l.c.l., same basis....gal. .65 - .66
tanks, dlvd., East. U.S.gal. .60 - —
Crotonic, 10 bbls. or more, works..lb. .26 - —
smaller lots, works....lb. 1.00 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .19½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys....lb. .11½- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms...lb. .28 - —
Gallic, tech., bbls....lb. 1.05 - 1.08
NF VI, bbls., 200 lbs., 5 or more..lb. 1.22 - —
smaller lots....lb. 1.25 - —
fib. dms., 25 lbs....lb. 1.29 - —
Gamma, bbls....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs....lb. .15 - —
25 or 50-lb. demij....lb. .21 - .23
5-lb. bots....lb. .29 - —
H. bbls....lb. .45 - —
Hydriodic, 45-47%, cbys....lb. 2.42 - 2.44
5-lb. bots....lb. 2.57 - —
57%, bots....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic)
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls....lb. .06 - .06½
rubber, dms....lb. .08 - .08½
48%, lead, cbys....lb. .12 - —
rubber, dms....lb. .11 - —
52%, lead, cbys....lb. .13 - —
rubber, dms....lb. .12 - —
60%, lead, cbys....lb. .14 - —
rubber, dms....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, U S P, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
Acid, lactic, tech., light, 44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10¼- .11¼
5 to 19 cbys....lb. .11 - .12
1 to 4 cbys....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys....lb. .12¾- .13¾
1 to 4, cbys....lb. .13¼- .14½
80%, bbls., cbys., 5 or more..lb. .21 - .22
1 to 4, cbys....lb. .21½- .22½
USP, XI, 85%, cbys....lb. .42 - .45
USP, VIII, 75%, cbys....lb. .40 - .43
Lauric, dist., tech., dms....lb. .17½- .18
Laurent's, bbls....lb. .45 - —
Linseed oil, light, dms....lb. .16 - .16½
Maleic, powd., dms....lb. .30 - —
anhydride, dms., c.l....lb. .25 - —
l.c.l. ....lb. .26 - —
Malic, powd., kegs....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit....lb. .0085- .009
Molybdic, kegs, works....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 23 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, wrks.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 23 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
CP, dealers, cbys....lb. .06½- —
6-lb. bots....lb. .17½- —
consumers, cbys....lb. .08 - —
6-lb. bots....lb. .19 - —
Myristic, dist., dms....lb. .18 - .18½
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06½ Nom.
l.c.l., works....lb. .07 Nom.
tanks, works....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works....lb. .09½ Nom.
tanks, c.l., works....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works....lb. .10½ Nom.
tanks, works....lb. No prices
Nicotinic, 100-lb. cns....lb. 7.15 - —
50-lb. cns....lb. 7.25 - —
25-lb. cns....lb. 7.30 - —
5-lb. bots....lb. 7.46 - —
1-lb. bots....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 23 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 23 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 23 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 23 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots....lb. .21½- —
consumers, cbys....lb. .13 - —
7-lb. bots....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. or over....lb. .11 - —
smaller quantities....lb. .12 - .14
Palm oil, white, dist., dms..lb. .11½- .12
tanks ....lb. .11 - —
Paraminobenzoic, cns....lb. 1.40 - —
Paranitrobenzoic, cns....lb. .72 - —
Phenylacetic, bots....lb. 1.45 - 1.95
Phosphoric, ortho., tech., 50%, cbys..lb. .06 - —
75%, cbys....lb. .07½- —
USP, 85%, s. g., 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs....lb. .65 - .70
Picric, bbls....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works.lb. .14 - —
tanks, works....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.35 - —
cns. ....lb. 1.53 - —

Acacia—Alcohol

Acid, pyrogallic, USP, cryst., cns..lb. 2.00 - —
resub., cns....lb. 2.50 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works....lb. .32 - .37
Salicylic, tech., bbls....lb. .33 - —
USP, bbls....lb. .35 - .38
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works....lb. No prices
Soybean oil, dist., dms....lb. .17½- .17¾
Stearic, dist., double pressed, bgs., dlvd..lb. .13¾- .14¾
single pressed, bgs., dlvd..lb. .13¼- .14¼
triple pressed, bgs., dlvd...lb. .16½- .17½
saponif., double pressed, bgs., dlvd..lb. .14 - .15
triple pressed, bgs., dlvd..lb. .16¾- .17¾
Succinic, bbls....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works....lb. .17 - —
Sulphonaphthenic, dms....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.23 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works....ton.16.50 - —
98°, tanks, works....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots....lb. .15½- —
consumers, cbys....lb. .08 - —
9-lb. bots....lb. .17 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
Tannic, tch., bbls., dms....lb. .66 - .68
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.13 - —
100-lb. lots....lb. 1.15 - —
25-lb. lots....lb. 1.18 - —
powd., bbls., 1,000 lbs....lb. 1.03 - —
smaller lots....lb. 1.05 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .63½- —
smaller quantities....lb. .64 - —
kgs. ....lb. .64½- —
Tobias, bbls....lb. .85 - .90
Trichloracetic, bots....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Aconite, leaves, bls....lb. .38 - .42
Root, bls....lb. 1.10 - 1.15
Aconitine, amorph., bots....oz.23.00 -28.00
vial ....vial. 1.00 - —
cryst., bots....oz.42.00 - —
vial ....vial 1.00 - —
Acrylonitrille, dms., c.l....lb. .34½- —
5,000 lbs. or more....lb. .35 - —
1 ton to 4,999 lbs....lb. .35½- —
1 dm. to 1 ton....lb. .36 - —
tank cars....lb. .34 - —
Adeps lanae, anhyd., dms....lb. .19 - .20
hyd., dms....lb. .17 - .18
Agar, 1 bl....lb. 1.55 - 1.60
3 bls....lb. No prices
Agaric, white, bls....lb. No stocks
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .16 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld...lb. .60 - .70
Import, bgs....lb. No prices
Egg, ed., dom., cryst., bbls...lb. 1.40 - 1.50
powd., dms., bbls....lb. 1.45 - 1.55
Import, cs....lb. No prices
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .131 - —
l.c.l., frt. alld....lb. .141 - —
tanks, frt. alld....lb. .121 - —
normal, dms., l.c.l., works...lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns....lb. .08 - —
drums ....lb. .08 - —
Butyl, normal, dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld....lb. .11½- —
tanks, frt. alld....lb. .10 - —
tankwagon, frt. alld....lb. .09½- .10½
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .09 - —
l.c.l., same terms....lb. .09½- —
tanks, same terms....lb. .08 - —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms....lb. .13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs....lb. 1.70 - —
100 lbs....lb. 1.80 - —
25 lbs....lb. 1.90 - —
5 lbs....lb. 2.00 - —
Cinnamic, bots....lb. 2.33 - 2.95
Denatured, CD14, dms., c.l., dlvd. E...gal. .36½- .38½
l.c.l., dlvd., dms....gal. .41½- .43¼
tanks, E., dlvd....gal. .30½- .32¼
Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.
SD1 190 pf., bbls., c.l., E. works..gal. .35 - —
19 bbls., E. works...gal. .37 - —

Alcohol—Benzoyl Peroxide

Alcohol, SD1, 190 pf., 1 to 18 bbls., E. works..gal. .40 - —
dms., c.l., E. works...gal. .33 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms.....gal. .38 - —
tanks, E. works.....gal. .27 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .30½- —
19 dms., works, E...gal. .32½- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —
SD23G, works, E., c.l., dms., gal. .36½- —
19 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .12
l.c.l., dlvd.....lb. .12 - .12½
tanks, dlvd.....lb. .10½- .11
tech., dms., c.l., dlvd.....lb. .11 - —
l.c.l., dlvd.....lb. .11½- —
tanks, dlvd.....lb. .10 - —
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½- —
19 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks .....gal. 5.90½- —
absolute, dms., c.l.....gal. 6.37½- —
19 dms.....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —
Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 560 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0860- —
tanks, same terms.....lb. .0760- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .06½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvenyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .67 - .70
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade., dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5-10-gal. dms., works...lb. .15 - —
aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Allapice, Mexican, bgs.....lb. .13 - .13½
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 3.95 - —
100-lb. kgs.....lb. 3.97 - —
25-lb. fib. dms.....lb. 4.04 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N. Y., Phil...100 lbs. 3.58 - —
lump, bbls., works....100 lbs. 3.75 - —
dlvd., N. Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd., N. Y., Phil..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila....100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works...100 lbs. 4.15 - —
dlvd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No prices
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100-lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd...lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd., lb. .45 - —
solut., 24%, bbls., c.l., dlvd..lb. .07¼- —
Alumina acetate, solut., 24%, l.c.l., 10 or over, dlvd. lb. .08¼- —
1 to 9 dlvd.....lb. .0863- —
normal, pwd., bbls., dlvd. lb. .33 - —
smaller containers, dlvd..lb. .35 - —
solut., 20%, bbls., c.l., dlvd..lb. .08 - —
l.c.l., 10 or over., dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l. dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .14 - —
l.c.l., bgs., dlvd.....lb. .14½- —
bbls., c.l., dlvd.....lb. .14½- —
l.c.l., bbls., dlvd.....lb. .15 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .21 - —
l.c.l. .....lb. .22 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.30 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs....lb. .70¼- —
standard, dms., 1,500 lbs...lb. .37½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 250 lbs.; 2c. per lb. higher for 200-400 lbs. and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f. o. b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., dlvd. Met. N. Y...lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .15 - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., dlvd. Met. N. Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .13 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.66 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.03 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .27 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Ammonia, phosphate, dibasic, NF V, bls..lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N, 48% phos., bulk, f.o.b. E. works...unit-ton. No prices
pure, bbls., works.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, July-Dec. shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works...lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys, works..lb. .06 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, csks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .18 - —
ex Pentane, dms., c.l., frt. alld..lb. .12½- —
l.c.l., frt. alld.....lb. .13½- —
tanks, frt. alld.....lb. .11½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.60 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .23 - —
Salicylate, 5 lbs., bots.....lb. .65 - —
cns. .....lb. .52 - .55
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .50
import., natural, bls.....lb. 1.60 - 1.65
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .37 - .38
Cyprus, bgs.....lb. .40 - .42
Star .....lb. .21 - .21½
Turkish, afloat, bgs.....lb. .35 - .36
Anisic aldehyde, bots.....lb. 2.60 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%, lb. .16 - —
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
Salt, 65%, dms., dlvd. E. of Miss. River..lb. .30 - —
bbls., same basis.....lb. .28 - —
White pigment, bgs.....lb. .11½- .14¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .16 - .17
Arecoline hydrobromide, bots..oz. 6.00 - 7.25
Argols, test 70% to 85%, basis 100%, 100 kgm., purity.... 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.50 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .10¼- .10¾
bbls. .....lb. .10 - .10½
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03¼- —
l.c.l. .....lb. .04½- —
Asafetida, cs.....lb. .45 - .50
powd., bbls., bxs.....lb. .68 - .73
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant, lb. .05¼- —
process form, bgs., 20 tons, f.o.b. plant..lb. .06 - —
smaller lots, f.o.b. plant, lb. .08 - —
Asphaltum, California, dms., c.l., f.o.b. N. Y..ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.26.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery. gal. .12 - —
tanks, Calif., refinery..ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.16.50 - —
Sulphate, bots.....oz.12.75 - —

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.47.50 - —
l.c.l., works.....ton.52.50 - —
bbls., c.l., works.....ton.52.50 - —
l.c.l., works.....ton.57.50 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. No prices
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works...lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis, ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York...ton.31.50 - —
Southern, off color, bgs., mines, ton.16.00 - —
95.75%, bgs., mines.....ton.16.50 - —
ore, bulk, mines.....ton. 8.00 - —
Cuban, crude, c.l., c.i.f....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....Louis. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay Rum, tax extra, import, bbls..gal. .77½- .78½
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 2.40 - 2.45
Root, bls.....lb. 2.40 Nom.
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb 3.00 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minneapolis, Colo..gal. .14 - —
Benzophenone, dms.....lb. .95 - 1.00
Benzoyl chloride, cbys.....lb. .28 - .30
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —

No safety device ever invented will take all the risk out of mountain climbing. Yet there is a way—a sure way—to remove every hazard from shipments in drums.

Tampering, leakage, substitution, pilferage, waste — all the dangers that lurk in the path of your product—are banished by Tri-Sure Closures. The Tri-Sure seal cannot be removed unless it is deliberately destroyed; the Tri-Sure plug is always held tightly in place; the Tri-Sure flange assures complete drainage.

Make *sure* that *your* product, *your* profits, *your* reputation are protected every minute your product is in transit. Equip every drum with Tri-Sure—and let every customer know that the same quality and quantity you ship is received. Write for information on Tri-Sure Closures.

Tri-Sure
Reg. U. S. Pat. Off.
CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK

Benzyl Acetate—Cellulose

Benzyl acetate, f.f.c., cans....lb. .48 - —
dms. ....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.s., f.f.c., cans..lb. .54 - —
dms. ....lb. .80 - —
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns....lb. 5.25 - 5.50
Formate, cns....lb. 2.40 - 2.75
Isoeugenol, bots....lb. 9.55 - —
Propionate, bots....lb. 2.00 - 2.25
Salicylate, bots....lb. 1.45 - 1.60

Benzylidineacetone, bots....lb. 2.20 - 2.50
Berberine bisulphate, cns....lb. 17.75 -27.50
Hydrochloride, cns....lb. 17.75 -27.50
Sulphate, cns....lb. 17.75 -27.50
Berberis root, bls....lb. .12 - .18
Betanaphthol, sublim., kgs....lb. .55 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works....lb. .24 - —
Benzoate, fib. dms....lb. 2.50 - —
kgs. ....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —

Beth root, bls....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars ....lb. 2.65 - —
Citrate, USP, VIII, 5-lb. bots., lb. 2.86 - —
jars ....lb. 2.75 - —
Hydroxide, 5-lb. bots....lb. 3.46 - —
cns. ....lb. 3.35 - —
Metal, ton lots....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. ....lb. 1.30 - —
Oxychloride, 5-lb. bots....lb. 3.19 - —
ens., kgs....lb. 3.10 - —
Subbenzoate, 5-lb. bots....lb. 3.51 - —
fib. dms....lb. 3.40 - —
Subcarbonate, bots., cns....lb. 1.59 - 1.85
175-lb. bbls....lb. 1.50 - —
X-ray, 5-lb. bots....lb. 2.79 - —
fib. dms....lb. 2.73 - —
Subgallate, bots., cns....lb. 1.49 - 1.72
fib. dms....lb. 1.40 - —
Subiodide, bots....lb. 4.24 - —
fib. dms....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms....lb. 3.65 - —
Trioxide, powd., 5-lb. bots....lb. 3.76 - —
cns. ....lb. 3.65 - —

Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns....lb. 3.45 - 3.50

Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½ - —
3, bbls., bgs., c.l. frt. alld. E., lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½ - —
4, bbls., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½ - —
5, bbls., bgs., c.l., frt. alld, E., lb. .09½ - —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., bgs., c.l., frt. alld. E., lb. .08½ - —
l.c.l., frt. alld. E.....lb. .09 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .11½ - —
l.c.l., frt. alld. E.....lb. .12 - —
8, bbls., bgs., c.l., frt. alld. E., lb. .12½ - —
l.c.l., frt. alld. E.....lb. .13 - —
Bone black prices on Pacific Coast are 1½c. per lb. higher, ex dock or ex whse
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants.lb. .03425- —
l.c.l., bgs or cartons, f.o.b. whse..lb. .07½ - —
dlvd..lb. .07½ - —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03350- —
l.c.l., bgs or cartons, f.o.b. whse..lb. .07 - —
dlvd..lb. .07 - —
bulk, cars, c.l., f.o.b. plants, lb. .03150- —
Charcoal (see C).
Graphite (see G).

Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½ - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works....lb. .08 - —
2, ctns., c.l., works....lb. .09 - —
l.c.l., works....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works....lb. .12 - —
3, ctns., c.l., works....lb. .13 - —
l.c.l., works....lb. .14 - —
4, ctns., c.l., works....lb. .15 - —
l.c.l., works....lb. .16 - —
5, ctns., c.l., works....lb. .17 - —
l.c.l., works....lb. .18 - —
6, ctns., c.l., works....lb. .24 - —
l.c.l., works....lb. .25 - —
7, ctns., c.l., works....lb. .34 - —
l.c.l., works....lb. .35 - —

Mineral, vine type, bbls., l.c.l., f.o.b. works..lb. .0434- —
Vine, A, bbls., works or N.Y., lbs. .04½ Nom.
B, bbls., works or N. Y..lb. .05½ Nom.
works..lb. .14 Nom.
dms., c.l., frt. alld....lb. .09½ Nom.
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .40 - .45
Tree bark, bls....lb .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 66%%, bbls., c.l., works, ton.35.00 - —
l.c.l., works....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.50 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 3.65 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 3.30 - —
soluble (see Albumen, blood).
Bloodroot, bls....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.) Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Blue, bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls. ....lb. .10 - .12
Chinese, bbls., same basis, contracts lb .33 - —
Cobalt genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine)
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs....lb. 3.30 - —
methyl violet, kgs....lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner
synthetic vehicle, bbls., same basis..lb. 1.93 - —

Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.37.50 - —
import, bgs., c.i.f. ports..ton.38.50 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.36.00 - —
import, bgs., c.i.f. ports..ton.36.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.40.00 - —

Boneset leaves, bls....lb. .08½ - .09
Borage flowers, bls....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
tech., 99½% gran., bgs., less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs. c.l., frt. alld..., ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse..ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½ - —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., ca., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. ....lb. 1.42 - —
Bromstyrol ....lb. 3.25 - 4.00
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls....lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N. Y..lb. .12 - —
Metallic, iron oxide, bbls., wks., lb. .02¾ - —
paper bgs., c.l., works....lb. .0260- —
Sap, crystals, dom., works...lb. 12 - —
powdered ....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03½ - —
Italian, Group 1, bbls., f.o.b. N. Y. or Pp. points..lb. .13½ Nom.
2 bbls., same basis....lb. .12½ Nom.
Italian, group 3, bbls., same basis..lb. .11½ Nom.
4, bbls., same basis....lb. .10 Nom.
5, bbls., same basis....lb. .10 Nom.
6, bbls., same basis....lb. .09½ Nom.
7, bbls., same basis....lb. .09½ Nom.
8, bbls., same basis....lb. .09 Nom.
9, bbls., same basis....lb. .08½ Nom.
10, bbls., same basis....lb. .08½ Nom.
11, bbls., same basis....lb. .08 Nom.
12, bbls., same basis....lb. .07½ Nom.
13, bbls., same basis....lb. .07½ Nom.
14, bbls., same basis....lb. .06¾ Nom.
raw, American, bbls., f.o.b. works..lb. .03½ -
Italian, Group 1, bbls. f.o.b. N. Y. or works..lb. .13½ Nom.
2, bbls., same basis....lb. .12½ Nom.
3, bbls., same basis....lb. .12½ Nom.
4, bbls., same basis....lb. .10¾ nom.
5, bbls., same basis....lb. .10¾ Nom.
6, bbls., same basis....lb. .09¾ Nom.
7, bbls., same basis....lb. .10 Nom.
8, bbls., same basis....lb. .08½ Nom.
9, bbls., same basis....lb. .08 Nom.
10, bbls., same basis....lb. .07½ Nom.
11, bbls., same basis....lb. .06¾ Nom.
Umber, American, bbls., works, lb. .03¾ -
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y..lb. .05 - —
St. Louis....lb. .05 - —
l.c.l., ex car Los Angeles, lb. .05 - —
ex whse, Portland, San Francisco, Seattle..lb. .05¾ -
ex whse. Los Angeles lb. .06¼ -
Brown, umber, Turkey, bbls., l.c.l., ex whse. Portland, San Francisco, Seattle..lb. .06 - —
Boston ....lb. .05 - —
Chicago, Indianapolis, New Orleans..lb. .05½ - —
Kansas City....lb. .06 - —
Minneapolis ....lb. .0560- —
Pittsburgh ....lb. .05¼ -
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special ....lb. .12 - —
Brucine, 100 oz., cns....oz. .15 - —
Sulphate, 100 oz., cns....oz. .12 - —
Bryonia root, bls....lb. .28 - .30
Buchu leaves, bls....lb. .57 - .58
Buckthorn bark, true, bls....lb. No prices
cut and sifted, bbls....lb. .75 - .80
Berries, bgs....lb. .35 - .40
Burdock root, bls....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls....lb. .07 - .08
Butyl acetate, norm., dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld....lb. .11½ - —
tanks, frt. alld....lb. .10 - —
tankwagons, frt. alld...lb. .10½ - —
secondary, dms., c.l., frt. pd. E. of Miss. R., lb. .09 - —
dms., l.c.l., same terms.lb. .09½ - —
tanks, same terms....lb. .08 - —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½ - —
l.c.l., works....lb. .16½ - .17½
tanks, works....lb. .14½ - —
Carbinol, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. ....lb. .23 - —
Crotonate, normal, 55-gal. dms., works..lb. .35 - —
1-gal. cns., works....lb. 1.00 - —
5-gal. cns., works....lb. .75 - —
Ether (see under Ether).
Lactate, dms....lb. .23½ - —
Propionate, dms., dlvd....lb. .16½ - .17
tanks ....lb. .15½ - —
Stearate, dms....lb. .32½ - —
Butyric ether, bots....gal. 6.50 - 6.95
cns., works....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, comL, 16-54°, tanks, group 3..gal. .02½ - .03

C

Cadmium, brom de, 25-lb. jars, 50 lbs. or more..lb. 1.65 - —
single jars....lb. 1.70 - —
5-lb. bots....lb. 1.84 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd....lb. 3.50 - —
Iodide, 5-lb. bots....lb. 4.23 - —
25-lb. cans....lb. 4.09 - —
Lithopone (see Yellow).
Metal, pat., shapes, ca....lb. .95 Nom.
ingots or sticks....lb. .90 Nom
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms....lb. 2.63 - —
10 lb. cns....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.63 - —
25 lb. dms....lb. 2.68 - —
10 lbs. cns....lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms....lb. 2.73 - —
10 lb. cns....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms....lb. 2.83 - —
10 lb. cns....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots....lb 2.30 Nom.
Hydrobromide, bots....lb. 5.29 - 5.37
Calabar beans, bgs....lb. .25 - .80
Calamus root, peeled, N. F., ca., lb. .85 Nom.
bleached, bls. ....lb. No stocks
dom., natural, bls....lb. .50 - .55
Calcium acetate, bgs., dlvd., 100 lbs. 2.10 - —
Arsenate, bgs., c.l....lb. .06½ -
l.c.l. ....lb. .06¾ -
Calcium arsenate prices are works or whse basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works....lb. .67 - —
25 lbs., works....lb. .70 - —
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, paper bgs., 77-80%, c.l., dlvd..ton.20.50 - 35.00
l.c.l., 1 ton or more, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Calcium chloride c.l. prices for flake in burlap paper-lined bags $2.50 per ton over paper bags, and drums $3.50 per ton over paper bags.
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. ....lb. .55 - .57
cns. ....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib. dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots....lb. 1.25 - —
cns., 25 lbs....lb. 1.50 - —
Hypophosphate, cns....lb. .62 - .65
Iodide, bots., jars....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms....lb. 2.05 - —
fluffy, dms....lb. 2.05 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Palmitate, bbls....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt..unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls....lb. .0705- —
Resinate, precip., bbls., 1 ton..lb. .13 - —
smaller lots....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .24 - —
l.c.l., ton....lb. .25 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
60% CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls.lb. .48 - .50
Calendula flowers, bls....lb. .85 - .90
Calomel, bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., ca....lb. .73 - .74
slabs, ca....lb. .73 - .74
tablets, tins....lb. .80 - .81
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots....lb. .61 - —
smaller lots....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots....lb. .74 - —
smaller lots....lb. .75 - —
Monobromate, bxs., kgs....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .04 - .04¾
Morocco, bgs....lb. .05¼ - .05¾
Turkish, bgs....lb. No stocks
Canella alba bark, bls....lb. .45 - .50
Cantharides, Chinese, cs....lb. 1.50 - 1.60
powd., bxs....lb. 1.75 - 1.85
Russian, cs....lb. 3.00 - 3.05
powd., bxs....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs....lb. .85 - .90
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis....lb. .235 - —
tanks, same basis....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis....lb. .05¾ - —
5-gal. dms., c.l., same basis, lb. .07 - .07¼
l.c.l., same basis....lb. .08 - .09¼
Dioxide, cyls....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½ - —
l.c.l., frt. alld ....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. ....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. ....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, ca....lb. 1.30 - 1.50
decorticated, cs....lb. 1.20 - 1.30
green, Ceylon, afloat, bgs....lb. 1.30 - 1.50
Carob bean flour (see Gum, Locust bean).
Carvol, bots....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .18 - .19
Case-hardening mixture, 30% jump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .22½ - .23
5 tons, works....lb. .22¾ - .23¼
smaller lots, works....lb. .23 - .23½
80-100 mesh, works....lb. .23 - .23½
5 tons, works....lb. .23¼ - .23¾
smaller lots, works....lb. .23½ - .24
Import, Argent. 20-30 mesh, bgs., c.l., duty paid..lb .21¾ - —
80-100 mesh, bgs., c.l., duty paid..lb. .22½ - —
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .20½ - .21
No. 1, regular, bls....lb. .19½ - .20
shortstick, bls....lb. .17 - .17½
broken, bls....lb. .15½ - .16
China, buds, bags....lb. .14 - .14½
Rolls, select, bls....lb. .14 - .14½
broken, extra, bls....lb. .13½ - .14
Saigon, No. 1, 4-10-4, bls....lb. .27½ - .28
10-6-2, bls....lb. .30 - .30½
all thin, bls....lb. .32 - .32½
Cassia fistula, baks....lb. .22 - .24
Castoreum, nat., cns....lb. 12.50 -15.00
synth, bots....lb. 19.00 - —
Castor beans, Brazilian white, c.&f., N. Y., long ton. 69.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton. 15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs....lb. .84 - .86
Indian ....lb. .50 - .51
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs and up, frt. alld. lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lbs. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works....lb. .48 - —

Cellulose, acetate-propionate, low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld., lb. .41 - —
1,000-4,900 lbs., frt. alld. lb. .42 - —
100-900 lbs., frt. alld. lb. .43 - —
smaller pkgs., works lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld. lb. .48 - —
1,000-4,900 lbs., frt. alld. lb. .44 - —
100-900 lbs., frt. alld. lb. .45 - —
smaller pkgs., works lb. .46 - —
Triacetate, flake, frt. alld. lb. .30 - —
Cerium hydrate, dms., works lb. .60 - —
oxalate, USP, bbls., works lb. .35 - —
kgs., works lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs. lb. .85 - 1.00
Roman, bls. lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va. ton.35.40 - —
Colo. ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt. ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis. ton.27.00 - —
Indiana ton.31.00 - —
Ill. (river points), Mo., Okla., Tex., (except El Paso), Ia. ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan ton.32.80 - —
Ohio ton.32.80 - —
Penn. ton.34.80 - —
Utah ton.36.00 - —
Willow, powd., bbls. lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works lb. .0240- —
l.c.l., bbls., works lb. .0265- —
tanks, works lb. .0190- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works ton. 9.50 - —
l.c.l., works ton.10.00 -16.00
bulk, c.l., works ton. 7.60 - —
200 mesh, bgs., c.l., works ton. 8.50 - —
l.c.l., works ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
Import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila. ton.18.60 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, jars, 1,000 lbs. lb. .93 - 1.02
500 lbs. lb. .96 - 1.05
100 lbs. lb. .98 - 1.07
25 lbs. lb. 1.00 - 1.09
1-10 lbs. lb. 1.05 - 1.12
dms., 1,000 lbs. lb. .90 - —
500 lbs. lb. .93 - —
100 lbs. lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works lb. .32 - —
100 lbs., ctns. lb. .35 - —
smaller lots lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y. lb. .05¾- —
contracts, dlvd., N. Y. lb. .06¼- —
l.c.l., dlvd. N. Y. lb. .07¼- —
tanks, single units, works, frt. equald. 100 lbs. 1.75- —
multiple unit, 3 or over, works, frt. equald. 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.40 - —
1, works, frt., equald., 100 lbs. 2.90 - —
Chloroform, tech., 650-lb. dms. lb. .20 - —
100-lb. dms. lb. .22 - —
50-lb. dms. lb. .23 - —
USP, 650-lb. dms. lb. .30 - —
100-lb. dms. lb. .32 - —
50-lb. dms. lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld. lb. .80 - —
100-lb. cyls., frt. alld. lb. .85 - —
25-lb. cyls., works lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., lb. .21½- —
solut., 8½%, cs., bbls. lb. No price
Cake, bulk, c.l., works ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs. lb. .45 - —
scale, dms., 100 lbs. lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot. lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs. lb. .85 - .90
20 in., thick, cs. lb. .85 - .90
20 in., medium, cs. lb. .85 - .90
USP, broken quill, red, bgs. lb. .20 - .21
yellow, bgs. lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs. oz. .89 - —
Sulphate, N.F., cns., 100 ozs. oz. .53 - —
Cinchonidine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchonine, small crys., cns., 100 ozs. oz. .62 - —
large cryst., cns., 100 ozs. oz. .66 - —
Sulphate, N.F., cns., 100 ozs. oz. .42 - —
Cinchonine buyers must pay a surcharge of 5½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots. lb. 3.70 - 3.80
100 lbs., dms. lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns. lb. 1.10 - 1.20
Cinnamon, Ceylon, 2 bls. lb. .23½- .24
3 bls. lb. No stocks
Citral, bots., cns. lb. 3.00 - 4.00
Citrine ointment, jars. lb. .95 - .97
Citronellal, bots., dms. lb. 1.50 - 2.25
Citronellol, bots., dms. lb. 1.75 - 2.00
Clove, Amboyna, bgs. lb. .25 - .26
Madagascar lb. .19½- .20
Zanzibar lb. .14¾- .15¼
Clover tops, red, bgs. lb. .35 - .40
dom., bgs. lb. .30 - .35

Coaltar, coal-gas, crude, bbls., c.l., works bbls. 7.50 - 7.75
l.c.l., works bbl. 8.25 - 8.50
tanks, works gal. .07¼- .09
refd., bbls., c.l., works bbl. 8.00 - 8.25
l.c.l., works bbl. 8.75 - 9.00
tanks, works gal. .08½- .10
water-gas, crude, dms., c.l., works dm. 7.50 - —
l.c.l., works dm. 8.25 - —
refd., dms., c.l., works dm. 8.00 - —
l.c.l., works dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works lb. .85 - —
Hydrate, bbls. lb. 1.98 - —
Linoleate, paste, 5%, dms. lb. .31 - —
solid, 8½%, bbls. lb. .33 - —
Oleate, bbls. lb. .25 Nom.
Oxide, black, kgs. lb. 1.84 - —
Resinate, fused A, bbls. lb. .13½- —
1 % cobalt oxide, bbls. lb. .13 - —
2 % cobalt oxide, bbls. lb. .14 - —
3½% cobalt oxide, bbls. lb. .17½- —
precip., dms., dlvd. lb. .34 - —
Sulphate, dms. lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns. oz. 9.75 - —
Cochineal, gray, bgs. lb. .37 - .38
Teneriffe, silver, bgs. lb. .38 - .39
Cocoa butter, bulk, c.l., bgs. lb. .22¾- .24
Cocillana bark, bgs. lb. .25 - .30
Codeine, cns., 100 ozs. oz.11.70 - —
Hydrochloride, cns., 100 ozs. oz.10.50 - —
Phosphate, cns., 100 ozs. oz. 9.00 - —
Sulphate, cns., 100 ozs. oz. 9.50 - —
Codliver oil (see Oil, codliver).

Cohosh, black, root, bls. lb. .07 - .08
Blue, root, bls. lb. .07 - .08
Colchicine, bots., cns. oz.36.00 - —
Colchicum seed, bgs. lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs. lb. .15 - —
cns., 25 lbs. lb. .19 - .20
flexible, USP, dms., 325 lbs. lb. .17 - —
cns., 25 lbs. lb. .21 - .22
Colocynth pulp, bls. lb. .95 - 1.00
Colombo root, bls. lb. .20 - .21
Coltsfoot leaves, bgs. lb. .35 - .40
Condurango bark, bgs. lb. .11 - .12
Conium leaves, bls. lb. .30 - .32
Copaiba, balsam, Para, cns. lb. .32 - .33
S.A., USP, cns. lb. .34 - .35
Copper acetate, normal, bbls., dlvd. lb. .24 - —
smaller containers, dlvd. lb. .26 - —
Carbonate, 52-54%, bbls. lb. .18 - .20½
Chloride, anhyd., bbls. lb. .19½- —
cryst. lb. .18½- .14½
Cyanide, tech., bbls. lb. .34 - .36
Iodide, bots. lb. 5.15 - 5.19
Metal, electrolytic lb. .12 - .12½
Nitrate, cryst., bbls. lb. .20 Nom.
Oleate, precip., bbls. lb. .20 - —
Oxide, black, bbls., tons, works, lb. .19½- .21
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .22
Resinate, precip., bbls. lb. .15 - .16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works. 100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.00 - —
1-5 bbls., same basis, 100 lbs. 5.25 - —

Cellulose Acet.-prop.—Cranesbill

Copper, sulphate, monohydrated, dms., c.l., dealers, f.o.b. works. 100 lbs. 8.60 - —
l.c.l., dealers 100 lbs. 9.00 - —
Copperas, cryst., gran., bgs., c.l., works. ton.17.00 - —
bbls., c.l., works ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works 100 lbs. 2.00 - —
bulk, c.l., works ton.14.00 - —
Copra, Coast, ship lb. .03½ Nom.
Coriander, bgs. lb. .10 - .10½
bleached, bgs. lb. .12 - .12¾
Corn silk, bls. lb. .22 - .23
Corn sugar, tanners', chipped, bgs., c.l., dlvd. 100 lbs. 4.05 - —
slabs, bbls., c.l. 100 lbs. 3.41 - —
solid, bbls., c.l. 100 lbs. 3.53 - —
Syrup, 42°, bbls., c.l. 100 lbs. 3.52 - —
43°, bbls., c.l. 100 lbs. 3.57 -
Corrosive sublimate, cryst., dms., 50 lbs. or more. lb. 2.39 - —
gran., powd., dms., 50 lbs. or more. lb. 2.24 - —
Cottonroot bark, bls. lb. .10 - .11
Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.00 - —
meal, 8%, Southeast, mills. ton.31.00 -31.50
Coumarin, 5 lbs. or more, 25-lb. cns. lb. 2.75 - 3.00
5-lb. cns. lb. 2.85 - 3.10
1-lb. cns. lb. 3.00 - 3.25
1-oz. cns. lb. 3.35 - 3.60
less than 5 dms., cns. lb. 4.15 - 4.65
Cramp bark, genuine, bls. lb. .20 - .45
so-called, bls. lb. .06 - .07
Cranesbill root, bls. lb. .10 - .18

YES, quality can be measured . . . because in one large Solvay plant alone, an average of more than 8500 quality tests for each 24 hour operating period *make sure* that Solvay products meet the most exacting quality specifications!

. . . *That* is quality nailed down tight. It means that, in a Solvay plant, the checks for quality begin even before raw materials are taken from the ground. It means testing and retesting by modern chemical laboratory methods every time a change is effected in the chemical or physical character of a Solvay product as it goes through the plant . . . until final quality tests prove beyond doubt that each lot of manufactured material complies with specifications in the Solvay Book of Master Standards which govern the making of *all* Solvay products.

There is still another aspect to Solvay quality which becomes increasingly important as each day goes by. It is the fact that, despite a production rate which is now running far beyond normal, *Solvay plants are continuing to adhere to the same strict quality standards that were maintained before the present emergency arose!*

When you think of alkalies, think in terms of *Solvay* Alkalies, the oldest and largest American source of alkalies!

Soda Ash • Caustic Soda • Chlorine • Modified Sodas • Para-dichlorobenzene • Potassium Carbonate • Caustic Potash
Ammonium Bicarbonate • Ammonium Chloride • Calcium Chloride • Causticized Ash • Salt • Sodium Nitrite

60th ANNIVERSARY 1881 ★ 1941

SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 Rector Street New York, N. Y.
BRANCH SALES OFFICES:
Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit
New Orleans • New York • Philadelphia • Pittsburgh • St. Louis • Syracuse
Plants Located at: Syracuse, N. Y. • Detroit, Mich. • Baton Rouge, La. • Hopewell, Va.

Cream of Tartar—Fluorspar

Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .32½ - —
smaller lots, bbls. lb. .33 - —
kgs. lb. .33½ - —
Creosote, beechwood, bots. lb. .70 Nom.
hardwood, USP, bots. lb. .45 - .47
pine, dms. gal. .26 - —
Carbonate, bots., cbys. lb. 1.90 - 2.20
Oil, crude, tanks, works. gal. .13½ - .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works. gal. .26 - —
tanks, works. gal. .18 - .18½
Cresol, USP, dms., c.l., works. lb. .10¼ - —
l.c.l., same basis. lb. .10¾ - —
special resin grade, dms., c.l., works. lb. .09½ - —
l.c.l., same basis. lb. .09¾ - —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works. lb. .13 - —
l.c.l., works. lb. .14 - —
5 and 10-gal. dms., works. lb. .15 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River. lb. .08½ - —
l.c.l., works. lb. .09¼ - —
natural, c.l. 100 lbs. 8.75 - —
l.c.l. 100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C. lb. .27 - .28
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs. lb. .48 - .50
powd., cs. lb. .53 - .54
Culver's root, bls. lb. .16 - .17
Cumin seed, Morocco, bgs. lb. .18½ - .19
Cyprus, bgs. lb. .19 - .19½
Indian, bgs. lb. .16½ - .16¾
Persian, bgs. lb. .17½ - .18
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid. lb. .04¾ - —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N. unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms. lb. .10¾ - —
lump, dms. lb. .09¾ - —
75%, gran., dms. lb. .15 - —
Cyclohexane, 98-100%, dms., works. lb. .16 - —
Cyclohexanol, 98-100%, dms., works. lb. .23 - —
Cyclohexanone, 98-100%, dms., works. lb. .32 - —

D

Damiana leaves, bls. lb. .16 - .17
Dandelion root, bls. lb. .70 - .75
Decanol, normal, tech., 380 lbs., dms., dlvd. lb. .35 - —
Deertongue leaves, bls. lb. .12 - .14
Degras, common, dom., bbls. lb. .08¼ - .08¾
neutral, dom., obls. lb. .15 - .17
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y. lb. .28 - .30
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns. lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago. 100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago. 100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago. 100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago. 100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago. 100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago. 100 lbs. 4.15 - —
Potato, bgs., dom., c.l. lb. .08¼ - —
l.c.l., bgs. lb. .09½ - .10
Diacetone (see under Alcohol).
Diacetyl, bots. lb. 9.50 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works. lb. .092 - —
tanks, works. lb. .075 - —
Phthalate, dms., c.l., dlvd. lb. .21 - —
l.c.l., dlvd. lb. .21½ - —
tanks, dlvd. lb. .20 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works. lb. .50 - —
Diamylene, dms., c.l., works. lb. .095 - —
l.c.l., works. lb. .102 - —
tanks, works. lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works. lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works. lb. .17 - —
l.c.l. lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst. ton.22.00 -23.00
l.c.l., ex whse. ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard. ton.85.00 -90.00
l.c.l., ex whse. ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard. lb. .07 - —
l.c.l., ex whse. lb. .10 - .16
import, Algerian, bgs., c.l., c.l.f. ton. No prices
Mexican, white, bgs., c.l., c.l.f. lb. .02 - .03
l.c.l. lb. .04 - .06
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. lb. .53 - —
tanks, works. lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd. lb. .19 - .20
l.c.l., dlvd. lb. .19½ - .20½
tanks, dlvd. lb. .18 - .19
cns., works. lb. .23½ - .25½
Sebacate, dms., works. lb. .45 - .47
Tartrate, dom., dms. lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works. lb. .15 - —
l.c.l., works. lb. .16 - —
tanks, works. lb. .14 - —
Dichloropentanes, dms., c.l., works. lb. .032 - —
l.c.l. lb. .04 - —
tanks lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½ - —
l.c.l., works. lb. .24½ - —
tanks, works. lb. .22½ - —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms. lb. .75 - —
Diethylaniline, dms. lb. .40 - —
Diethylcarbonate, com'l, dms. lb. .25 - —
refd., 99%, dms. lb. .35 - —
Oxalate, dms., l.c.l., dlvd. lb. .28 - —
Diethyl phthalate, dms., c.l., dlvd. lb. .20 - —
l.c.l. lb. .20½ - —
tanks lb. .19 - —
Sulphate, dms., c.l., works. lb. .13 - —
l.c.l., works. lb. .14 - —
tanks lb. .12 - —
Diethyleneglycol, dms., c.l., works. lb. .14 - —
l.c.l., works. lb. .15½ - —
Monobutylether, dms., works. lb. .22½ - .24½
Monoethylether, dms., c.l., works. lb. .14½ - —
l.c.l., works. lb. .15½ - —
tanks, works. lb. .13½ - —
Digitalis leaves, dms. lb. .40 - .42
Digicyol, laurate, c.l. lb. .16 - —
Oleate, light, bbls., c.l. lb. .17 - —
Stearate, bbls., c.l. lb. .22 - —
Di-isobutyl ketone, dms., works. lb. .19 - —
Dillseed, cleaned, bgs. lb. .06¾ - .08¾
Dimethyl phthalate, dms., c.l., dlvd. lb. .20 - —
l.c.l., dlvd. lb. .20½ - —
tanks, dlvd. lb. .19 - —
Dimethylamine, dms., c.l., dlvd. lb. .35 - —
l.c.l., dlvd. lb. .90 - —
Dimethylaniline, dms., c.l. lb. .23 - —
l.c.l., dms. lb. .24 - —
Dinitrobenzene, bbls., 80° min. lb. .18 - —
Dinitrochlorobenzene, dms. lb. .14 - —
Dinitronaphthalene, kgs. lb. .35 - .38
Dinitrophenol, bbls. lb. .22 - —
Dinitrotoluene, dms. lb. .13 - —
oily, dms. lb. .05 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd. lb. .44 - —
600-1,950 lbs., dlvd. lb. .46 - —
150-450 lbs., dlvd. lb. .47 - —
Dioxan, dms., c.l., frt. alld. lb. .29 - —
l.c.l., same basis. lb. .21 - —
tanks, same basis. lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms. gal. .47 - .50
tanks gal. .41 - —
dest., dist., dms. gal. .43 - .45
tanks gal. .38 - —
Diphenyl, bbls., c.l., works. lb. .15 - —
l.c.l., works. lb. .16 - .20
Oxide, perfume grade, dms. lb. .43 - .45
cns. lb. .48 - .50
Diphenylamine, bbls lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd. lb. .33 - —
600-1,950 lbs., dlvd. lb. .36 - —
150-450 lbs., dlvd. lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian ton.42.00 - —
Venezuelan ton.45.00 - —
Doggrass root, imp. cut, NF, bls. lb. .38 - 1.00
domestic, bls. lb. .36 - .37
Dogwood bark, Jamaica, bls. lb. .08 - .09
Dovers powder, USP, cns. lb. 2.75 - 2.80
Dragon's blood, mass, cs. lb. .65 - .85
reeds, cs. lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns. lb. 13.50 - —
FD&C blue, No. 2, cns. lb. 13.50 - —
Green FD&C green, No. 2, cns. lb. 17.50 - —
FD&C green, No. 3, cns. lb. 27.50 - —
FD&C green, No. 1, cns. lb. 13.50 - —
Orange, FD&C orange, No. 1, cns. lb. 2.90 - —
FD&C orange, No. 2, cns. lb. 3.65 - —
Red, FD&C red, No. 1, cns. lb. 6.00 - —
FD&C red, No. 2, cns. lb. 3.15 - —
FD&C red, No. 3, cns. lb. 17.50 - —
FD&C red, No. 4, cns. lb. 5.75 - —
FD&C red, No. 32, cns. lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns. lb. 3.50 - —
FD&C yellow, No. 3, cns. lb. 2.65 - —
FD&C yellow, No. 4, cns. lb. 2.65 - —
FD&C yellow, No. 5, cns. lb. 3.15 - —
FD&C yellow, No. 6, cns. lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1. lb. 3.35 - —
Blue, D&C blue, No. 6. lb. 13.50 - —
Brown, D&C brown, No. 1, cns. lb. 12.35 - —
Green, D&C green, No. 5, cns. lb. 12.35 - —
D&C green, No. 6, cns. lb. 12.35 - —
Orange, D&C orange, No. 3, cns. lb. 3.35 - —
D&C orange, No. 4, cns. lb. 15.35 - —
D&C orange, No. 10, cns. lb. 15.85 - —
D&C orange, No. 11, cns. lb. 17.35 - —
Red, D&C red, No. 5. lb. 6.00 - —
D&C red, No. 17. lb. 3.35 - —
D&C red, No. 18. lb. 18.35 - —
D&C red, No. 19, cns. lb. 15.35 - —
D&C red, No. 22, cns. lb. 3.35 - —
D&C red, No. 33. lb. 13.35 - —
D&C red, No. 37, cns. lb. 12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 3.35 - —
D&C yellow, No. 3, cns. lb. 3.35 - —
D&C yellow, No. 11. lb. 10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns. lb. 12.35 - —
Green, Ext. D&C green, No. 1, cns. lb. 12.35 - —
Red, Ext. D&C red, No. 1, cns. lb. 10.35 - —
Ext. D&C red, No. 3. lb. 21.35 - —
Ext. D&C red, No. 8. lb. 7.35 - —
Ext. D&C red, No. 10, cns. lb. 12.35 - —
Ext. D&C red, No. 13, cns. lb. 12.35 - —
cns. lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G. lb. .65 - .70
40 Chrome yellow R. lb. .50 - 1.00
53 Victoria violet. lb. .80 - 1.00
165 Lake red C. lb. .70 - .80
170 Fast red A. lb. .56 - .60
180 Fast red VR. lb. 1.50 - 1.60
189 Lake red R, paste. lb. .85 - .90
189 Lake red R, powd. lb. 3.00 - 3.10
Sulphur tan. lb. .30 - .50
202 Chrome blue black U. lb. .32 - .40
204 Chrome black A. lb. 1.75 - 2.00
208 Fast red blue R. lb. .75 - 2.00
216 Chrome red B. lb. 1.75 - 2.00
262 Cloth red 2B. lb. .80 - .85
280 Fast cyanin 5R. lb. .90 - 1.00
299 Chrome black F. lb. .60 - .65
307 Fast cyanin black B. lb. .80 - .85
326 Direct cast scarlet. lb. 2.00 - 2.25
304 Paper yellow. lb. .83 - .90
365 Chrysophenin G. lb. .58 - .70
394 Direct violet N. lb. 1.25 - 1.35
382 Direct scarlet B. lb. 1.50 - 1.75
387 Direct violet B. lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B. lb. .25 - .30
415 Direct orange R. lb. .60 - .70
419 Direct fast red F. lb. .75 - .85
420 Direct brown M. lb. 1.00 - 1.10
448 Benzo purpurin 4B. lb. .40 - .42
495 Benzo purpurin 10B. lb. .40 - .50
502 Direct azurin G. lb. .75 - .80
512 Direct blue RD. lb. .80 - 1.00
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
518 Direct pure blue 6B. lb. 1.10 - 1.25
520 Direct pure blue. lb. .50 - 1.00
529 Direct fast black, FF. lb. .55 - 1.00
561 Direct black EW. lb. .25 - .50
562 Direct black RX. lb. .35 - .45
592 Direct green B. lb. .75 - .80
594 Direct green G. lb. 1.00 - 1.05
596 Direct brown 3GO. lb. .85 - 1.00
620 Direct yellow R. lb. 1.25 - 1.80
686 Acid violet. lb. 1.00 - 3.00
812 Primulin lb. .50 - .52
814 Direct fast yellow. lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste. lb. .15 - .18
Benzo fast black L. lb. .90 - 1.00
Sulphur black. lb. .20 - .25
Sulphur blue. lb. .40 - 1.00
Sulphur brown. lb. .25 - .50
Sulphur maroon. lb. .40 - —
Sulphur olive. lb. .25 - .54
Sulphur yellow. lb. .30 - .50
Zambesi black. lb. .75 - .80
Dyes, coaltar for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
865 Nigrosin derivatives. lb. .38 - .62
Blue:—
1075 Alizarin astrol base. lb. 15.00 - —
1078 Alizarin cyanin green base. lb. 6.00 - —
Brown:—
Brown lb. 1.15 - —
Green:—
1078 Alizarin cyanin green. lb. 5.00 - —
Green lb. .75 - —
Orange:—
24 Sudan I. lb. .75 - —
Red shade. lb. .75 - —
Red:—
75 Sudan II. lb. 1.05 - —
258 Sudan IV. lb. .95 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1080 Anthraquinone yellow base. lb. 6.00 - —
680 Oil violet. lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow. lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
91 Yellow OB. lb. 1.40 - —
Dyes, coaltar, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin. lb. .38 - .44
Blue:—
860 Indulin. lb. .60 - .70
Brown:—
331 Bismarck brown. lb. 1.50 - —
Green:—
637 Malachite green base. lb. 2.00 - —
Orange:—
20 Chrysoidin G. lb. .95 - —
21 Chrysoidin R. lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B. lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine. lb. 2.00 - —
800 Chinolin yellow SS. lb. 2.00 - —
Violet:—
680 Methyl violet base. lb. .85 - —
Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel 3c. per lb. higher; f.o.b., sellers' works or warehouse):—
Black:—
246 Naphthol blue black S. lb. .50 - —
873 Methylene gray. lb. 1.50 - —
Blue:—
714 Patent blue A. lb. 1.05 - 1.10
729 Victoria blue B. lb. 1.85 - —
851 Indulin lb. .87 - —
909 New blue R. lb. 1.30 - —
922 Methylene blue. lb. 1.00 - —
1054 Alizarin saphirol B. lb. 1.90 - —
1180 Indigotin IA. lb. .85 - —
Brown:—
234 Resorcin brown Y. lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G. lb. .42 - .57
332 Bismarck brown R. lb. .42 - .57
793 Phosphin lb. 4.65 - —
Green:—
5 Naphthol green B. lb. 1.00 - —
657 Malachite green. lb. 1.35 - —
662 Brilliant green. lb. 2.00 - —
666 Guinea green B. lb. 1.15 - —
737 Wool green S. lb. .58 - —
924 Methylene green B. lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G. lb. .40 - —
21 Chrysoidin R. lb. .37 - —
27 Orange G. lb. .50 - —
151 Orange Y. lb. .30 - —
161 Orange R. lb. .34 - —
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red lb. .68 - —
79 Popceau R. lb. .48 - —
88 Fast red B. lb. 1.05 - —
176 Fast red A. lb. .54 - —
179 Azorubin lb. .60 - .62
183 Crocein scarlet 3BX. lb. .72 - .75
185 Cochineal red A. lb. .60 - —
252 Brilliant crosein 3M. lb. .68 - —
677 Fuchsin lb. 2.10 - —
749 Rhodamine B. lb. 3.50 - —
752 Rhodamine 6G. lb. 4.50 - —
768 Eosin G. lb. 1.50 - —
841 Safranin lb. 1.45 - —
Violet:—
680 Methyl violet B. lb. .75 - —
681 Crystal violet C. lb. 1.75 - —
695 Acid violet 4BN. lb. .88 - —
Yellow:—
10 Naphthol yellow S. lb. .88 - —
138 Metanil yellow. lb. .53 - —
636 Fast light yellow. lb. 1.25 - —
639 Xylene light yellow. lb. 1.15 - —
640 Tartrazin lb. .80 - —
655 Auramine lb. 1.27 - —
Dyes, natural (see name of article).

E

Echniacea root, bls. lb. .18 - .19
Egg albumen (see Albumen).
yolk, dried, dom., bbls. lb. .80 - .83
imported lb. .74 - .77
Elder flowers, bright, bls. lb. .75 - .80
Elecampane root, bls. lb. .14 - .15
Elm bark, grinding, bls. lb. .11 - .12
powd., bbls., bxs. lb. .19 - .20
select, bndls. lb. .19 - .21
Emetine hydrochloride, bots. oz. 24.00 -28.30
Ephedra, bls. lb. .12 - .13
Ephedrine, USP hemihydrates, tins, 1,000 ozs. oz. .60 - —
100 ozs. oz. .70 - —
anhyd., dms., 1,000-oz. lots. oz. .65 - —
100-oz. lots. oz. .75 - —
Hydrochloride, tins, 1,000-oz. lots. oz. .45 - —
100-oz. lots. oz. .55 - —
Sulphate, cryst., tins, 1,000-oz. lots. oz. .43 - —
100-oz. lots. oz. .53 - —
Epsom salt, tech., bgs. 100 lbs. 1.80 - —
bbls. 100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal. 100 lbs. 2.25 - —
smaller lots. 100 lbs. 2.50 - —
bbls., c.l. 100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal. 100 lbs. 2.35 - —
smaller lots. 100 lbs. 2.60 - —
kgs., c.l. 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal. 100 lbs. 2.60 - —
smaller lots. 100 lbs. 2.85 - —
dried, bgs., l.c.l. lb. .06 - .09
Ergot, USP, cns., dms. lb. 2.10 - 2.20
Eserine, bots. oz. 50.00 -72.00
Salicylate, bots. oz. 42.00 -45.00
Sulphate, bots. oz. 42.00 -45.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd. lb. .26 - .28
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .73 - —
Sulphuric, conc., 310-lb. dms. lb. .11 - —
27-lb. dms. lb. .16 - —
Synth., dms., c.l., work. lb. .10 - —
l.c.l., works. lb. .11 - —
tanks lb. .08 - —
USP, anesthesia, hospitals, 1-lb. cns. lb. .52 - .53
Ethyl acetate, 85-90%, dms., c.l., frt alld. lb. .08½ - —
l.c.l., frt. alld. lb. .09 - —
tanks, frt. alld. lb. .07½ - —
95-98%, dms., c.l., frt. alld. lb. .08¾ - —
l.c.l., frt. alld. lb. .09¼ - —
tanks, frt. alld. lb. .07¾ - —
NF, 350-lb. dms. lb. .09 - —
cns., 35 lbs. lb. .13 - .14
Acetoacetate, dms., c.l., wks. lb. .27½ - —
l.c.l., dms., works. lb. .28 - —
Benzoate, bots. lb. 1.00 - 1.25
Bromide, tech., dms. lb. .50 - .55
Caproate, cns. lb. 1.06 - —
Chloride, dms. lb. .18 - .20
Cinnamate, cns. lb. 3.50 - 3.75
Crotonate, 55-gal. dms., works, lb. .35 - —
1-gal. cns., works. lb. 1.00 - —
5 and 10-gal. dms., works, lb. .75 - —
Formate, cns., dms. lb. .25 - .26
Iodide, bots. lb. 3.50 - 3.60
Lactate, 55-gal. dms., works, lb. .33½ - —
5-gal. dms., works. lb. .37½ - .39½
Oenanthate, dms. lb. .75 - 1.25
Oxalate, dms., frt. alld. lb. .25 - —
Oxyhydrate, bots. gal. 4.00 - 6.00
Silicate, l.c.l., dms., wks. lb. .77 - —
Vanillin, 25-lb. lots, cns. lb. 6.00 - —
5-lb. lots, cns. lb. 6.05 - —
1-lb. lots, cns. lb. 6.15 - —
Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld. lb. .45 - —
less than 5,000 lbs., same basis. lb. .47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld. lb. .0742- —
West of Rockies, same basis. lb. .0792- —
l.c.l., works, E. of Rockies, frt. alld. lb. .0795- —
West of Rockies, same basis. lb. .0841- —
Ethyleneglycol, dms., c.l. lb. .14½ - —
l.c.l. lb. .15½ - .18½
tanks lb. .13½ - —
Monobutylether, dms., c.l., wks. lb. .16¼ - —
l.c.l., works. lb. .17½ - .20½
tanks, works. lb. .15½ - —
monoethylether, dms., c.l., works. lb. .14½ - —
l.c.l., works. lb. .15½ - .16½
tanks, works. lb. .13½ - —
Monoethylether, acetate, dms., c.l., works. lb. .11½ - —
l.c.l., dms. lb. .12½ - .15½
tanks, works. lb. .10¼ - —
Monomethylether, dms., c.l., works. lb. .15½ - —
l.c.l., works. lb. .16½ - —
tanks, works. lb. .14½ - —
Ethylidinaniliin, dms. lb. .45 - .47½
Eucalyptol, cns., dms. lb. .80 - .90
Eucalyptus leaves, bls. lb. .11 - .12
Eugenol, cns., dms. lb. 2.00 - 2.10
Euphorbia, bls. lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works. ton.14.00 -17.50
l.c.l., minimum 2 tons. ton.17.00 -20.50
glass, 20 mesh, bulk, works. ton. 9.75 -12.25
l.c.l., minimum 2 tons. ton.12.75 -16.25
pottery, bulk, Me., works. ton.17.00 -19.00
N. C., works. ton.17.00 -19.00
l.c.l., minimum 2 tons. ton.20.00 -22.00
Fennel seed, Argentine, bgs. lb. .16 - .16¼
Indian, bgs. lb. .09 - .09½
French, bgs. lb. No stocks
German, large, bgs. lb. No stocks
Roumanian, bgs. lb. .11¼ - .12
Fenugreek, seed, bgs. lb. .06¾ - .07¼
Ferric, sulphate, anhyd., c.l., works. ton.35.00 - —
l.c.l. ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works. lb. .12 - —
smaller lots, works. lb. .13 - —
light, cs., 1,000 lbs. or over, works. lb. .13 - —
smaller lots, works. lb. .15 - —
water white, cs., 1,000 lbs. or over, works. lb. .14 - —
smaller lots, works. lb. .15 - —
Fir balsam, Canada, cns. gal.16.50 -17.00
Oregon, bbls. gal. 1.10 - 1.25
Fish berries, bgs. lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures, unit-ton. 4.60 & .10
meal, bgs., f.o.b. Balto. ton.65.00 - —
6-7% ammon., 8% phosphor. acid, bulk, Chesapeake Bay factories, contracts, unit-ton. 2.75 & .50
sardine, Japanese, 11½% ammon. bgs., c.l.f. ports. ton. No prices
Flake white, dom., bbls. lb. .09 - —
kegs lb. .11 - —
Flaxseed, French, black, bgs. lb. .55 - .60
Indian, blonde, bgs. lb. .11 - .12
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.30.00 - —
washed gravel, 85.5 f.o.b. Ky. and-Ill.-Ky. mines. net ton.21.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines. net ton.21.00 - —
imported, 85.5, duty paid, short ton. No prices

Formaldehyde, bbls., c.l., works, lb. .0550- .0575
l.c.l., works .06 - .0625
dms., c.l., works .0515- .0540
l.c.l., works .0565- .0590
tanks .04 - .04¼
Fringetree bark, bls. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines..ton. 15.00 - —
import, bgs., c.l., ex dock..ton. No prices
l.c.l., ex whse..ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works .17½ - .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works .12½- —
l.c.l., works .15 - .20
tanks, works .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .17½- .19½
Fustic, cryst., bgs., No. 1 .30 - —
No. 2..lb. .28 - —
No. 3..lb. .26 - —
extract, bbls., No. 1 .15 - —
No. 2..lb. .14 - —
No. 3..lb. .11½- —

G

G salt bbls. .45 - —
Galangal root, bls. .11 - .12
Gambier, common, cases .10 Nom.
plantation, cases No stocks.
cubes, Singapore, cases..lb. .11 Nom.
extract, bbls. .09½- .12
Gasoline at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .07½- .08
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .14½- —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax...gal. .07½- —
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .07¾- .03¾
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .05¾- .06
natural, 18-55, tanks....gal. .03¾- .04
26-70, tanks .05¾- .03½
Gelatine, silver, cs. .70 - .77
Gelsemium root, bls. .14 - .15
Gentian root, bls. .62 - .65
grd., bbls., bxs. .64 - .66
powd., bbls., bxs. .65 - .67
Geraniol, 92-96%, cns., dms...lb. 1.41 - 2.05
other grades, cns., dms..lb. 1.25 - 1.85
soap, cns., dms. .65 - 1.00
Ginger, African, No. 1, bgs...lb. .20 - .20½
Cochin, lemon, nearby, bgs..lb. .18½- .19
Jamaica, bold, bgs. .24 - .25
medium, bgs. .22 - .22½
grinding, bright, bgs. .21 - .21½
Japanese, bgs. No stocks
Ginseng root, wild Southern, cs. lb. 12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. 1.05 - 1.20
5 tons or over, works, 100 lbs. 1.15 - 1.35
less than 5 tons, works, 100 lbs. 1.25 - 1.45
import, bgs. 100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .16 Nom.
l.c.l., dlvd. .16½ Nom.
36/58 bgs., c.l., dlvd..lb. .15½ Nom.
l.c.l., dlvd. .16 Nom.
58/82 bgs., c.l., dlvd..lb. .17 Nom.
l.c.l., dlvd. .17½ Nom.
82/108 millopose, bgs., c.l., dlvd..lb. .17½ Nom.
l.c.l., dlvd. .18 Nom.
hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East Middlewest. lb. .18 Nom.
l.c.l., same basis. .18½ Nom.
60/164, bgs., c.l., same basis, lb. .18½ Nom.
l.c.l., same basis. .20 Nom.
67/122, bgs., c.l., same basis, lb. .20½ Nom.
l.c.l., same basis. .21 Nom.
75/222, bgs., c.l., same basis, lb. .23½ Nom.
l.c.l., same basis. .24½ Nom.
68/251, bgs., c.l., same basis, lb. .23½ Nom.
l.c.l., same basis. .25½ Nom.
92/283, bgs., c.l., same basis, lb. .25½ Nom.
l.c.l., same basis. .26½ Nom.
102/315, bgs., c.l., same basis..lb. .26½ Nom.
l.c.l., same basis. .27 Nom.
113/347, bgs., c.l., same basis..lb. .27 Nom.
125/379, bgs., c.l., same basis..lb. .28 Nom.
l.c.l., same basis. .29 Nom.
Glue prices for barrel packing, ½c. per lb. higher: grinding charge, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.
Glycerin, CP, cns., l.c.l. .16½- .17
dms., c.l., dlvd. .14½- —
l.c.l., dlvd. .15 - —
tanks, dlvd. .14½- —
dynamite, dms. Nominal
high gravity, dms., c.l., dlvd.lb. .14 - —
l.c.l., dlvd. .14½- —
tanks, dlvd. .13¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd..lb. .12½- —
l.c.l., same basis..lb. .13¼- —
tanks .12 - —
refiners, dms., returnable, tanks, dlvd..lb. .11½ Nom.
soaplye, basis 80%, dms., returnable, tanks, dlvd..lb. .10½ Nom.
Glycine, medicinal, bbls., tins.lb. 1.70 - 2.00
Glycol boriborate, dms. .22 - —
Phthalate, dms. .38 - —
Stearate, dms. .26 - —
Gold, U.S. purchase price....oz. 35.00 - —
Chloride, acid brown, both..oz. 20.75 -21.00
yellow, bots. oz. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
USP IX, bots. oz. 14.50 -14.75
Gold of pleasure, seed, bgs. .19 - .20
Goldenseal, root, bls. 3.00 - 3.25
powd., bxs. 3.25 - 3.50
Grains of paradise, bgs. .37 - .38
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works. .07¼- —
l.c.l., works. .07½- —
Amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
l.c.l., works. .03¼- —
bbls., c.l., works. .02¾- —
80% graphite, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works. .03¾- —
l.c.l., works. .04½- —

Grease, house .07½ Nom.
white .08 Nom.
yellow .07½ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C. S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
5-10%, bbls., same basis. lb. .06¾- —
11-15%, bbls., same basis. lb. .07¼- —
Green, chrome, reduced, C.P., color content 14-16%, bbls., same basis..lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼- —
34-35%, bbls., same basis, lb. .12¼- —
36-40%, bbls., same basis, lb. .14¼- —
41-45%, bbls., same basis, lb. .16¼- —
46-50%, bbls., same basis, lb. .16¾- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis, lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —

Formaldehyde—Gum, Chicle

Oxide, dom., pure, bbls..lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l. works..lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Tetrahydroxide, bbls..lb. .65 - —
Paris (see P).
Green, tungstated, brilliant, kgs. lb. 3.75 - —
emerald, kgs. lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls. .60 - .10
Guaiac resin, cs. .30 - .35
strained, cs. .85 - .90
Wood, bls. .04 - .05
Guaiacol, liq., dms. lb. 1.55 Nom.
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs. 1.20 - 1.25
Aloe (see A).
Ammoniac, tears, cs. .80 - .85
Arabic, amber sort, cleaned, bgs..lb. .18 - .19
white, sorts, 1, bgs. .25 - .26
powd., bbls. .21 - .22
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs. 2.50 - 2.60
Sumatra, cs. .23 - .24
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .40 - .42

RCI

No. 3000 SUPER

BECKACITE

Type . . . . . Pure Phenolic
Color . . . . . I-H
Acid Number 85-105
Melting Range . . . 275°-295° F.

FAST DRYING
GASPROOFING EFFICIENCY
EXTREME DURABILITY

More than any other pure phenolic resin, No. 3000 Super Beckacite imparts drying speed to varnish formulations.

Of equal, if not greater importance to formulators, is the ability of this outstanding synthetic resin to gasproof large volumes of China wood oil at low temperatures. No. 3000 is also ideally adapted to the formulation of water and weather resistant finishes of all kinds.

Manufacturers are finding in the RCI complete line of synthetic resins the answer to practically every formulating requirement. For more complete information on No. 3000 Super Beckacite or any other RCI synthetic write:

REICHHOLD CHEMICALS INCORPORATED
DETROIT MICHIGAN

Gum, Copal—Lecithin

Gum, copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco..lb. .49½- —

Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.

2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22⅝- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13⅞- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .13⅝- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12⅝- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11⅞- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis, lb. .23⅝- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10⅝- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09¼- —
17, pale, fingers, bgs., c.l., same basis..lb. .18⅝- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18⅝- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12⅝- —
22, small mixed nubs, bgs., same basis..lb. .10⅝- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅞- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¼- —
25, pale small nubs, c.l., same basis..lb. .10⅝- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06⅝- —
Batu, bold scraped, bgs., same basis..lb. .08⅞- —
unscraped, bgs., same basis..lb. .07⅞- —
chips, bgs., same basis...lb. .06½- —
dust, bgs., same basis....lb. .06¼- —
nubs and chips, bgs., same basis..lb. .06½- —
black, bold, scraped, bgs., same basis..lb. .10¼- —
unscraped, bgs., same basis..lb. .06⅞- —
nubs and chips, bgs., same basis..lb. .06⅞- —
Hiroe, Macassar, pale bold, bgs., same basis..lb. .12⅞- —
chips, bgs., same basis..lb. .07⅝- —
dust, bgs., same basis..lb. .06¼- —
nubs., bgs., same basis..lb. .10¼- —
Singapore, Itasak, bold, bgs., same basis..lb. .17⅝- —
chips, bgs., same basis..lb. .10½- —
dust, bgs., same basis..lb. .06¼- —
nubs, bgs., same basis..lb. .14⅞- —
Manila, Boeas, amber and dark, bskts., same basis..lb. .14 - —
light, bsks., same basis.lb. .15⅝- —
Loba A, bskts., same basis, lb. .12⅞- —
B, bskts., same basis...lb. .12¼- —
C, bskts., same basis...lb. .11⅞- —
CNE, bskts., same basis, lb. .09 - —
D, bskts., same basis...lb. .11¼- —
DK, bskts., same basis.lb. .08½- —
dust, bskts., same basis.lb. .07 - —
Sambas and white split chips, bskts., same basis.. lb. .15⅝- —
Singapore, dust, bskts., same basis..lb. .07 - —
Spirit-soluble, CBB, bskts., same basis..lb. .11⅝- —
DBB, bskts., same basis, lb. .10½- —
MA, bskts., same basis.lb. .09 - —
MB, bskts., same basis.lb. .08½- —
WB, bskts., same basis.lb. .10½- —
A/D, cs., same basis...lb. .13⅞- —
Philippine, Manila, amber sorts, bskts., same basis, lb. .09¼- —
chips, pale, bskts., same basis..lb. .11⅝- —
pale, small, bskts., same basis..lb. .10 - —
extra pale, sorts, bskts., same basis..lb. .11⅝- —
nubs, bskts., same basis..lb. .13¼- —
scraped, bskts., same basis, lb. .14⅜- —
seeds and dust, bskts., same basis..lb. .08 - —
Pontianak, bold, genuine bgs., same basis..lb. .17⅝- —
mixed, bgs., same basis..lb. .16¼- —
split, bgs., same basis...lb. .16⅝- —
chips, bgs., same basis...lb. .11½- —
nubs, bgs., same basis...lb. .15½- —
Dammar, Batavia, A, cs., same basis as copal..lb. .24¼- —
A/C, cs., same basis.....lb. .18⅞- —
A/E, cs., same basis.....lb. .16¼- —
B, cs., same basis.....lb. .22⅝- —
C, cs., same basis.....lb. .18¼- —
D, cs., same basis.....lb. .16¼- —
dust, cs., same basis...lb. .08⅜- —
E, cs., same basis.....lb. .12¼- —
F, cs., same basis.....lb. .08¾- —
Singapore, 1, cs., same basis, lb. .18⅞- —
2, cs., same basis.....lb. .14⅞- —
3, cs., same basis.....lb. .08½- —
chips, cs., same basis....lb. .14 - —
dust, cs., same basis....lb. .08⅜- —
seeds, cs., same basis....lb. .11⅞- —
Elemi, cns., same basis as copal..lb. .08½- —
Ester, ordinary, c.l., dms., contract, divd. N. Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .06½- —
Gum, ester, ordinary, c.l., dms., contract, divd., Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex. lb. .07 - —
Pacific Coast (water shipt.)..lb. .06½- —
Other points.....lb. .06⅝- —

For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, ogs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l..lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .11⅝- —
Kino, tins.....lb. No prices
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.65
Myrrh, USP, cs.....lb. .50 - .55
Oilbanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O.).
Rosin (see R).
Sandarac, cks.....lb. .52½- .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.16.50 - —
Tragacanth, Aleppo, 1 cs.....lb. 3.00 - 3.10
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 2.50 - 2.60
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., ton.12.00 - —
Harlem River, N. Y..ton.12.00 - —
Import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .50 - .55
Hematine, cryst., bgs., No. 1..lb. .32 - —
No. 2..lb. .28 - —
No. 3..lb. .26 - —
No. 4..lb. .24 - —
No. 5..lb. .22 - —
paste, bxs, No. 1.....lb. .13½- —
No. 2.....lb. .12½- —
No. 3.....lb. .11½- —
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .07 - .07½
Henbane leaves, bbls.....lb. 3.40 Nom.
Henna leaves, bls.....lb. .35 - .40
powd., bbls., bxs.....lb. .40 - .45
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., divd., Group 3..gal. .24 - —
l.c.l., 5 or more, divd., Group 3..gal. .29 - —
1-5, divd., Group 3.....gal. .38 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Hematropine hydrobromide, 25 oz., bots..oz.17.50 -32.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.65 - 2.75
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .11 - .12
Hydrangea, root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.18.00 - —
Hydrochloride, bots., 4 oz...oz.18.00 - —
Sulphate, bots, 4 ozs.....oz.18.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River; West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.50 - 2.75
Hyoscine hydrobromide, bots.gm. 3.50 - —
Hyoscyamine, bots.....oz.21.25 -27.50
Hydrobromide, bots.....oz.21.25 -27.50
Sulphate, bots.....oz.21.25 -27.50
Hypernic, cryst., bgs., No. 1..lb. .40 - —
No. 2..lb. .32 - —
extract, bbls, No. 1.....lb. .23 - —
No. 2..lb. .18 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.95
Methyl, alpha, 100%, cns....lb. 4.35 - —
Ipecac root, bgs.....lb. 1.80 - 1.90
powd., bxs.....lb. 1.85 - 1.90
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., divd....lb. .03 - —
l.c.l., divd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 300-lb. dms..100 lbs. 4.65 - 6.25
156-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, cbys.....lb. .39 - .40
bots.....lb. .53 - —
Nitrate, red, tech., dms....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns.....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms.. lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls...lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms.....lb. .25½- .26½
Isobutyl acetate, 55-gal. dms., works...lb.0860 - —
tanks, works.....lb.0760 - —
Propionate, dms., works...lb. .102 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .12 - —
c.l., E. of Rockies, frt. alld. lb. .08½- —
l.c.l., E. of Rockies, frt. alld..lb. .09 - —
tanks, E. of Rockies, frt. alld..lb. .07½- —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld. gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .34 - .45
powd., bbls., bxs.....lb. .39 - .50
resin, lump, 100-lbs. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. Nominal

K

Kamala, tins.....lb. .33 - .34
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0520- —
California (f.o.b. San Francisco) truck..gal. .11½- —
Kerosene at refinery, Gulf ports, p.w., bulk..gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., blk..gal. .04⅝- .04⅝
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04⅝- .04⅝
Pennsylvania, 45 w.w., tanks, gal. .05½- .06
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae)
Lard, city, tubs.....100 lbs.11.00 -11.25
Middlewestern, trcs....100 lbs.10.50 -10.60
Neutral, trcs.....100 lbs.10.75 -11.00
Western, choice, trcs..100 lbs.10.60 -10.70
Compound, trcs.....100 lbs.14.50 -15.00
Larkspur seed, bgs.....lb. 2.10 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .48 - .49
Portuguese, bls.....lb. .27 - .28
Turkish, bls.....lb. .58 - .60
Lavender flowers, ordinary, bls.lb. .60 - .65
medium, bls.....lb. .80 - .85
select, bls.....lb. .90 - .95
Lead acetate, white, broken, bbls., lb. .12 - .12½
cryst., bbls.....lb. .12 - .12½
gran., bbls.....lb. .12¾- .13¼
powd., bbls.....lb. .12¾- .13¼
Arsenate, bgs., c.l.....lb. .09 - .09¾
l.c.l., bgs.....lb. .09½- .10¼

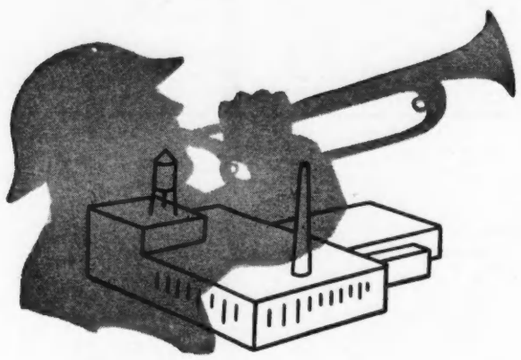
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.

Blue, basic sulphate, bbls., c.l., divd. E..lb. .06¾- —
l.c.l., divd. E.....lb. .07 - —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07½- —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs....lb. .49 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., dms., lb. .19 - —

Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech..lb. .23 - —
Oleate, bbls.....lb. .18½- .20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), divd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0860- —
Other points.....lb. .0885- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash..lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
Other points.....lb. .08¾- —
smaller lots, Ala., etc. lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc..lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .07½- —
other points.....lb. .09 - —
smaller lots, divd. Ala..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
95% Pb_3O_4, bbls., c.l., (20 tons), divd. Ala., etc..lb. .0910- —
other points.....lb. .0885- —
l.c.l., 5 tons, divd. Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, divd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11¾- —
Silicate, bgs., 5 tons.....lb. 6.50 - —
smaller lots.....lb. 7.01 - —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titinate, bgs. or bbls., c.l. basic sulphate, bbls., c.l. (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse...lb. .10½- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07⅝- —
other points.....lb. .07½- —
l.c.l., divd. Ariz., etc...lb. .08 - —
other points.....lb. .07⅝- —
basic sulphate, bbls., c.l., divd. Ariz., etc.....lb. .07 - —
other points.....lb. .06¾- —
l.c.l., divd. Ariz., etc...lb. .07½- —
other points.....lb. .07 - —
in oil, 100-lb. kgs., consumers, lb. .12¼- —
dealers.....lb. .11¼- —
painters.....lb. .12¾- —

Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.

Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis...lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .65½



To the paint manufacturer with a material shortage problem

National Lead offers the experience and services of its research and technical departments to assist in reformulating

Because defense needs have caused a shortage of certain paint materials, paint manufacturers are being obliged to reformulate some of their paints.

As a result of its years of experience in developing paint formulas, National Lead Co. feels that it can be of service in this work. Its technical staffs, its research laboratories, its testing facilities, represent a storehouse of practical paint-making knowledge and information.

The full assistance of these resources in reformulating is freely offered to all paint manufacturers, who are cordially invited to get in touch with us. All queries will, of course, be handled with strict privacy.

National Lead Company

Dry Pigments Department *111 Broadway, New York, N. Y.*

Lecithin—Magnesium Oxide

Lecithin, edible, grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .20 - .35
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .28 Nom.
powd., bbls., bxs.....lb. .33 Nom.
select, bdls., cs.....lb. .90 Nom.

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 -

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b., Keystone, Ala.....top. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —

Hydrated, paper bgs., f.o.b.
Adams, Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —

Lime, hydrated, paper bgs.,
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —

spray, paper bgs., f.o.b.
Adams, Mass.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms.. same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis..lb. .08½- .09½
dms., same basis.....lb. .12 - —
Solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16

Lime-sulphur solution, Zone 3, tanks, dealers, dlvd..gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4 ,tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 3.75 - 4.00
Linalyl acetate, 70%, cns.....lb. 2.75 - 3.50
90%, cns.....lb. 3.75 - 4.45
92%, cns.....lb. 4.25 - 5.00
Linden flowers, with leaves, bls.lb. .50 - .55
without leaves, bls.....lb. .55 Nom.
Linseed, meal, bgs.....ton.27.00 - —

Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
Other points.....lb. .0735- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
Other points.....lb. .07¾- —
smaller lots, dlvd., Ala.lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
Other points.....lb. .08¼- —

Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.35
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —

Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots.....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05¾- —
Ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —

Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst., and in less car lots is ¼c. higher ex whse. Pac. Cst.

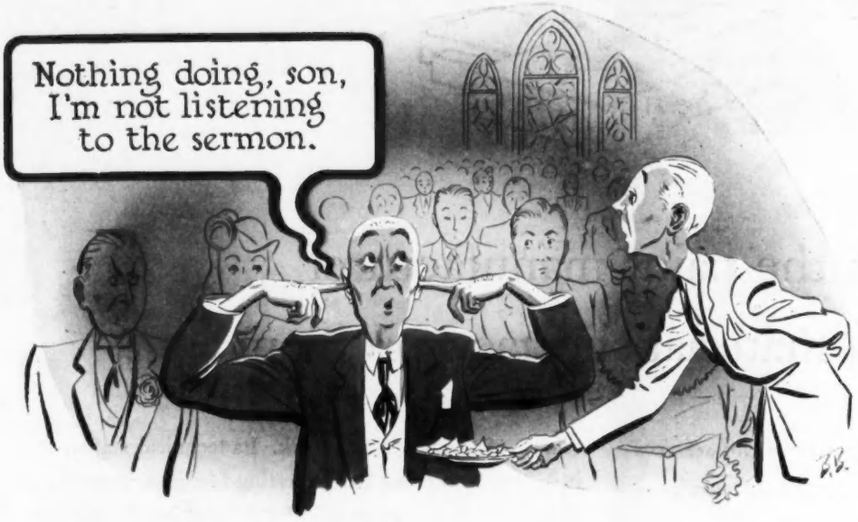
Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .23 - .25
Seed, bgs.....lb. .35 - .36
Logwood, cryst., bgs., No. 1..lb. .26 - —
No. 2..lb. .24 - —
extract, bbls., No. 1.....lb. .13 - —
No. 2..lb. .12 - —
No. 3..lb. .11½- —
No. 4..lb. .09 - —
solid, bxs., No. 1.....lb. .22 - —
No. 2..lb. .20 - —
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N.E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .47 - .48
Batavia, cs.....lb. .30 - .31
Siauw, cs.....lb. .37 - .38
West Indian, cs.....lb. .51 - .52
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07¼- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07¼- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09½- —
kgs.....lb. .10½- —
Other points.....lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).



Do you recognize this fellow?

His excuse for not dropping a nickel in the collection plate is a little thin, don't you think?

What he doesn't realize is that, whether he needs it or not, the church is an important part of his community.

And what helps his community helps him.
It isn't a matter of "duty." It's just good business for him to hold up his end.

Unwittingly, some members of the paint industry are just like the chap in the picture.

We don't mean to call anybody a slacker. It's just that they don't realize that what helps the industry helps them.

Whether they're members or not, the National Paint, Varnish and Lacquer Association is helping them in thousands of ways . . . *by helping the industry.*

Fortunately, most everybody whose business involves paint, already belongs to the NPV&LA. If you happen to be one who doesn't, how about sending in today for an application blank?

THE NATIONAL PAINT, VARNISH AND LACQUER ASS'N.

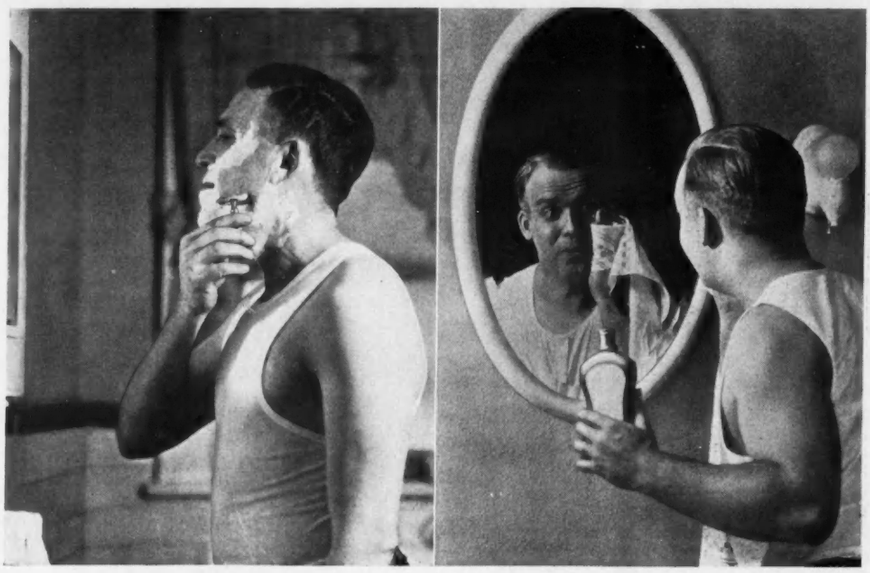
1500 Rhode Island Ave., N. W. Washington, D. C.

RECEIVED JUL 22 1941

U.S.I. ALCOHOL NEWS

July ★ A Monthly Review of Technical Developments for Chemists and Executives ★ 1941

MEN'S MARKET SEEN ON UP TREND



Shaving cream and after-shave lotions, established favorites among men's toiletries, form the backbone of assembled sets which are being used to boost sales in an expanding market.

Sales Show Substantial Increase As New Products Enter the Field

Boom in masculine toiletries, indicated by recent surveys, is opening up new markets for the cosmetic industry. Manufacturers of special men's lines are studying the possibilities of new products with masculine appeal, and are placing increased emphasis on the sales potentialities of assembled sets suitable for use as gift items.

Definitely masculine note in packaging appears to be essential to success in merchandising the gift sets, which are bought largely by women, who carefully avoid any hint of femininity in buying for men. Another essential seems to be the inclusion in the assembled sets of the popular stand-by items, for shaving cream or soap and after-shave lotions still rate one-two in the field, and can be used to stimulate interest in the newer products. (U.S.I. supplies S.D. Alcohol of high quality in the formulas authorized for use in shaving creams and face lotions.)

BUTYL PHTHALATE IDEAL AS NAIL LACQUER PLASTICIZER

High purity and exceptional freedom from odor and color are among the factors contributing to the popularity of U.S.I. Butyl Phthalate (dibutyl phthalate) as a plasticizing agent for imparting the necessary film flexibility to nail lacquers. Additional advantages of butyl phthalate are its resistance to effects of light, non-toxic qualities, and high solvency for the nitrocellulose commonly employed as the film-forming agent in nail lacquers.

TECHNICAL DEVELOPMENTS

For further information write U.S.I.

A new fixative is described as a pure synthetic chemical, absolutely stable in the presence of acids and alkalis, and a good solvent for artificial musks. Maker says it is suitable for use in cold stirred soaps, colognes, and other products. **(No. 470a)**

Two new antioxidants for soap are said to meet exacting tests. One is described as having a rather sharp odor and as being suitable for use in soaps with a spicy scent; the other as odorless and useful in delicately scented soaps. **(No. 471a)**

A change-can mixer is reported to be suitable for manufacturing a large number of relatively small batches of drugs, emulsions, pastes, lotions, and other products. It is said to combine grinding, dispersing, and thinning operations. **(No. 472a)**

A spray-coating machine is designed to lacquer the internal surfaces of collapsible tubes, cans, or other metal containers, it is reported. Machine is expected to be useful in packaging foods, cosmetics, shaving cream, and other products. **(No. 473a)**

A handy weighing spoon for the laboratory is said to be suspended from a chain, with a balance weight provided in the handle end of the spoon, adjustable for weights from ½ gram to 10 grams. **(No. 474a)**

Genuine flower oils are fortified with constituents that occur naturally in the pure absolutes, to form a new group of substitutes that are said to approach closely the fragrance of the living flowers. They are now available in rose and jasmine types. **(No. 475a)**

DEVELOPS NOVEL CARD FILE TO CATALOG PERFUME ODORS

Dr. Ralph Bienfang, whose novel technique allows odors to be recorded on cards.

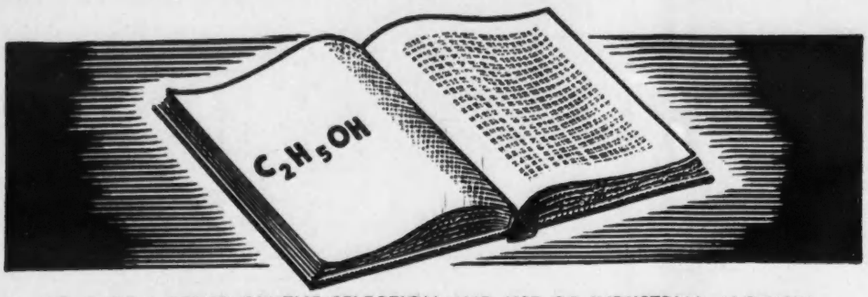
Novel technique for recording the odors of essential oils has been developed by Dr. Ralph Bienfang, who catalogs the odors on cards, and thus eliminates the need for numerous small containers.

In Dr. Bienfang's method, cellophane and cellulose acetate are dissolved in sufficient acetone to form a solution thin enough to drop from a glass rod and thick enough to prevent bleeding of the essential oil. Four or five drops of this solution, with the oil added, are placed on a card and allowed to dry. When filed, the cards are said to retain the odor for as long as two years.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 EAST 42ND ST., NEW YORK BRANCHES IN ALL PRINCIPAL CITIES
INDUSTRIAL ALCOHOL IN ALL GRADES AND ALL FORMULAS

July ★ # U.S.I. ALCOHOL NEWS ★ 1941

THE ALCOHOL PRIMER



NO. 3 OF A SERIES ON THE SELECTION AND USE OF INDUSTRIAL ALCOHOL

S.D. ALCOHOLS 39 AND 39A

Among the many formulas authorized for use in a variety of applications of interest to the manufacturers of drug and cosmetic products, S.D. Alcohols 39 and 39A may be conveniently considered together. While these two formulas do not offer the wide latitude in the selection of authorized denaturants that is afforded by S.D. 38B (which was discussed in detail in the June issue of U.S.I. ALCOHOL NEWS), some degree of choice of denaturants is still possible in the case of 39 and 39A.

S.D. Alcohol 39 is prepared by adding to 100 gallons of ethyl alcohol 9 pounds of sodium salicylate, U.S.P., or of salicylic acid, U.S.P., and ⅛ gallon of denaturing grade tertiary butyl alcohol.

In S.D. 39A, the authorized composition calls for the addition to 100 gallons of ethyl alcohol of 60 ounces of any of the following U.S.P. alkaloids or salts: (1) quinine; (2) quinine bisulphate; (3) quinine hydrochloride; (4) cinchonidine; or (5) cinchonidine sulphate; and ⅛ gallon of denaturing grade tertiary butyl alcohol.

Authorized Uses

Both of these formulas are authorized for use in exactly the same applications, and the user therefore has the option of selecting whichever of the two formulas best suits his specific purpose, and in addition can exercise some latitude in choice of denaturants within the authorized composition of either one of the formulas.

S.D. 39 and 39A are authorized for use as a solvent in manufacturing the following toilet preparations:

Hair and scalp preparations
Bay rum
Face and hand lotions
Body deodorants and deodorant creams
Perfumes and perfume tinctures
Toilet waters
Shampoos
Toilet soaps and bath salts

Miscellaneous Applications

In addition, Formulas 39 and 39A are authorized for use as a solvent in manufacturing:

External pharmaceuticals not U.S.P. or N.F.
Disinfectants, insecticides, etc.
Theater sprays and incense

Because of the different amounts and types of denaturants used, the two formulas have somewhat different properties. The resultant volume per 100 gallons of ethyl alcohol is 102.0 gallons in the case of S.D. 39; for 39A it is 100.5 gallons. The alcohol content of the finished formula is 98.02% ethyl alcohol (190-proof basis) for 39; 99.48% for 39A. The apparent proof at 60°/60° F. is 185.4 in the case of the first formula, and 189.2 for the second. At 60° F., S.D. 39 weighs 6.867 pounds per gallon; 39A weighs 6.810 pounds per gallon.

Shipping Containers

Both of these formulas are available in 50-gallon wood barrels, 5-gallon glass carboys, and 1-gallon glass bottles.

As pointed out in previous articles in this series, there are many other formulas which are authorized for use in a variety of drug and cosmetic applications. Next month's issue of U.S.I. ALCOHOL NEWS will discuss the composition and authorized uses of Formulas 39B, 39C, and 39D.

HERE AND THERE

Imported tincture of musk may soon join the rapidly growing list of imported materials for which adequate domestic substitutes are available. Recent experiments conducted to discover a use for muskrat glands indicate that they are the source of a tincture that closely resembles the imported musk, long one of the most highly valued of perfume materials. Only about 1% of the new tincture is needed in a perfume, and the number of muskrats annually trapped in the United States points to an ample supply of the raw materials needed.

Trial under medical supervision of a new treatment for poison ivy has been suggested by scientists of the U. S. Public Health Service, on the basis of tests already conducted, which are described as encouraging. The treatment consists in applying a 10% solution of tannic acid in water to the inflamed area, after previous cleansing with alcohol.

An old-established remedy—Brown Mixture—may soon appear in a new guise. A revised formula is being considered by the N.F., in which the camphorated tincture of opium in the original formula would be replaced by 5 cc. of spirit of anise, 5 cc. of spirit of camphor, and 45 cc. of alcohol.

Successful results in the treatment of athlete's foot are claimed for a new technique involving the use of tetraiodomethenamine. This product can be prepared by gradually adding a saturated alcoholic solution of iodine to a 1% aqueous solution of methenamine. The tetraiodide compound is precipitated in the form of brick-red crystals, and is dissolved for use in flexible collodion.

Odor tests of essential oils and perfumes can be made more uniform by the use of odor-adsorbing equipment by which the air is frequently purified, it is indicated by the results of a recent installation. By installing the adsorber in a fairly small booth, it is possible to carry on tests on different compounds at very short intervals, without the risk of error introduced by contaminating odors.

A new technique for analyzing bergamot oil is described in a recent monograph. The method involves distillation under reduced pressure with conditions accurately controlled, and has the advantage of preserving the distillate containing the volatile esters. Cooling with solid carbon dioxide is one step in the process.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 EAST 42ND ST., N.Y. USI SERVICE TO INDUSTRY BRANCHES IN ALL PRINCIPAL CITIES
A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

ALCOHOLS
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined
Methanol

Ethanol (Ethyl Alcohol)
Specially Denatured—All regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
U.S.I. Denatured Alcohol
Anti-freeze
*Super Pyro Anti-freeze
*Solox Proprietary Solvent
*Solox D-I De-icing Fluid

*ANSOLS
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Butyl Oxalate
Ethyl Oxalate

PHTHALIC ESTERS
Amyl Phthalate
Butyl Phthalate
Ethyl Phthalate
*Registered Trade Mark

PROPIONIC ESTERS
Amyl Propionate
Butyl Propionate

OTHER ESTERS
*Diatol
Ethyl Carbonate
Ethyl Chloroformate
Ethyl Formate
Ethyl Lactate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone
*BK-5
Collodions
*Curbay B-G
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Ethylene Glycol
*Indalone
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
Urethan
*Vacatone

Magnesium, palmitate, bbls..lb. .83 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¾
Stearate, bbls., ctns., 1 ton..lb. .28 - —
smaller lots.....lb. .29 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs., 500-lb. lots.....lb. .43 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .63 - —
Magnesite, cal., dom., bgs...ton.67.00 -75.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -25.00
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½ - —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
5-15 tons, works....ton.74.50 - —
½, 4 tons, works....ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works...ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works...ton.74.75 - —
smaller lots, works...ton.79.75 - —
paper bgs., c.l., works...ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 2.90 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, wks., lb. .10½- —
single, bbls, works.....lb. .11½- —
fertilizer, 65%, MnSo., bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.37.00 -38.00
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.50 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .60 - .61
Tunisan, bls.....lb. .32 Nom
Chilean .....lb. .12 - .12½
Menthol, natural, Chinese, cs..lb. 4.35 - 4.45
Japanese, cs.....lb. 4.35 - 4.45
synthetic, USP, cs.....lb. 3.65 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib. dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Mercury, chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.00 - 4.05
Iodide, red, NF, 5-lb. bots..lb. 4.51 - —
100-lb. fib. dms.....lb. 4.40 - —
yellow, 5-lb. bots.....lb. 4.61 - —
fib. dms., 100 lbs.....lb. 4.50 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide)
NF VI, fib. dms., 50 lbs., or more..lb. 3.38 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib. dms.....lb. 1.73 - 1.75
Mesityl oxide, dms., c.l., dlvd..lb. .11¼- —
l.c.l., dlvd.....lb. .12 - —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in....pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .70 - —
Methanol, natural, producer group A, denat., grade tanks...gal. .60 - —
95%, tanks.....gal. .73 - —
97%, tanks.....gal. .75 - —
Pure, dms.....gal. .86 - —

Methanol in drums, car lots, is 6c. per gal. higher, frt. alld., east of the Miss. river. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld., Zone 1..gal. .40 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .44 - —
Zone 4.....gal. .44½- —
dms., c.l., Zone 1.....gal. .45½- —
Zone 2.....gal. .47½- —
Zone 3.....gal. .49½- —
Zone 4.....gal. .51½- —
l.c.l., Zone 1.....gal. .48½- —
Zone 2.....gal. .65½- —
Zone 3.....gal. .52½- —
Zone 4.....gal. .65½- —

Group B, 95% frt. alld., prices 2c. more than pure, all zones.
97%, frt. alld., prices 1c. more than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —

Methanol, synth., pure, dms., l.c.l., Zone 1, frt. alld. or dlvd..gal. .33 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev. Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd. E. of Miss. R. lb. .09¼- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd. E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss. R. lb. .06 - —
W of Miss R... .....lb. .07 -

Methyl, acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .60 - —
dms., c.l., same basis...gal. .66 - —
l.c.l., same basis...gal. .71 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
dms., c.l., Zone 1.....gal. .55½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

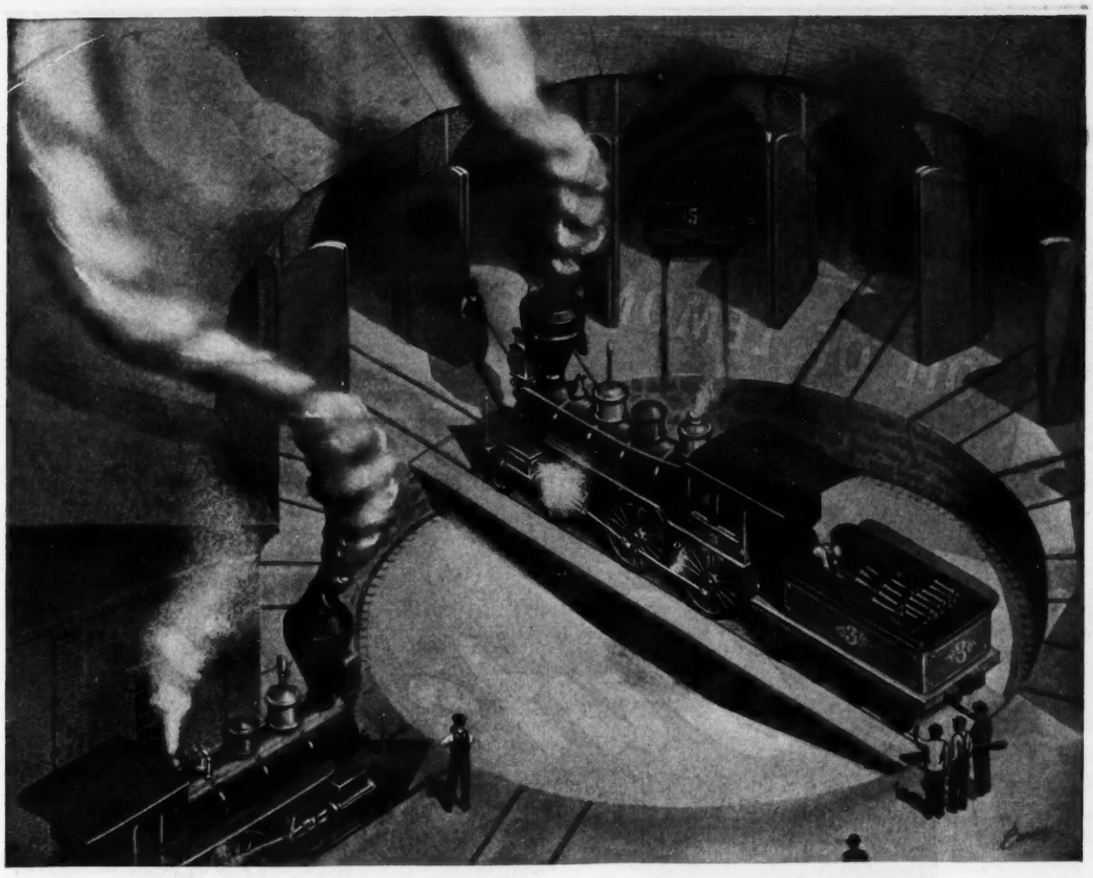
Methyl acetone, synthetic, tanks, Zone 1..gal. .43 Nom.
Zone 2.....gal. .44½ Nom.
Zone 3.....gal. .45½ Nom.
Zone 4.....gal. .45½ Nom.

Magnes., Palmit.—Methyl Molyb.

Methyl acetone, synth., dms., c.l., Zone 1..gal. .51 Nom.
Zone 2.....gal. .52 Nom.
Zone 3.....gal. .53½ Nom.
Zone 4.....gal. .54½ Nom.
l.c.l., Zone 1.....gal. .54½ Nom.
Zone 2.....gal. .57 Nom.
Zone 3.....gal. .58 Nom.
Zone 4.....gal. .59 - —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.00 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .69 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —



The Package with the ONE-TRACK MIND

ONCE upon a time a railroad owner had a packaging problem. He owned a lot of locomotives. Bright red handsome things they were in those days, trimmed all over with shiny brass.

Naturally, he didn't like leaving these fancy "Iron Horses" just standing around in the open all the time. He wanted them protected, under cover, when they weren't chugging about on business.

So he had a roundhouse invented.

It had plenty of space for his engines. And many tracks. But one track in this new "package" was more important than all the others. That was the track in the middle. It had a turn-table that always put the locomotives on the right track, whether they were coming in or going out.

When it comes to helping manufacturers get on the right track to good packaging, Continental's experts have a one-track mind. Their sole aim is to provide our customers with the best possible container for the lowest possible cost.

In developing the right package for any product, they consider style, size, and shape. They study color and typography. They make sure the container is convenient for consumers, economical to produce, easy to fill, pack, ship, sell and use.

Continental has been helping businessmen to solve packaging problems for the last 36 years. Our long experience, our well-equipped laboratories, and our trained personnel are always at your service.

Can we help you?

CONTINENTAL CAN COMPANY

New York Chicago San Francisco Montreal Toronto Havana

Methylamyl Ket.—Nutgalls

Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .08½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 2.40 - 2.50
imp., bots.....lb. 3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 -

Metronite, pigment, 250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works...lb. .02½- —
100 lbs., works.....lb. .03 - —
refined, bgs., extra and returnable, c.l., wks..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.30.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works...lb. .02½- —
500 lbs., works...lb. .03 - —
roofing, bgs., extra and returnable, c.l., works....ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —

Mica, wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., ex whse., or frt. alld. E..lb. .04½- —
Biotite, bgs., c.l., frt. alld. E..lb. .03½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —

Wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk, powder, skimmed, roller, bbls., c.l..lb. .09½- —
l.c.l. .....lb. .10½ —
spray, bbls., c.l.....lb. .09½- —
l.c.l. .....lb. .10½- —
unskimmed, roller, bbls., c.l., lb. .23 - —
l.c.l. .....lb. .24 - —
spray, bbls., c.l.....lb. .23½- —
l.c.l .....lb. .24½- —
Millet seed, yellow, bgs.....lb. .0240- .0260
early fortune, bgs.....lb. .02¼- .02⅝
hulled, bgs.....lb. .06½- .06⅝
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .09½- —
f.o.b. Gulf ports.....gal. .09 - —
Molybdate orange (see Orange, molybdate).

Molybdenum metal, kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks...lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
l.c.l., works.....lb. .40 - —
Monochlorobenzene, dms., l.c.l. lb. .07 - —
smaller, cns.....lb. .08 - .09
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .60 - —
l.c.l., dlvd.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 2.00 Nom.
Musk, nat., Tonquin, grains, bots..oz.30.00 -35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —
ketone, cns., 100 lbs. or more, lb. 3.90 - —
5 lbs. to 75 lbs.....lb 4.00 - —
1 lb.....lb. 4.35 - —
xylol, cns., 100 lbs. or more, lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown. lb. .16 - .16½
yellow, bgs.....lb. .16 - .16½
Chinese, yellow, bgs.....lb. .08½- .09
Danish, yellow.....lb. .27 - .28
English, yellow, bgs.....lb. .27 - .28
Dutch, yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .12½- .13
Roumanian, yellow.....lb. .15 - .15½
Myrobalans, J1, bgs., f.a.s...ton. No price
J2, bgs., f.a.s.....ton. No price
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .10 - .10½

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works.....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07½- —
pkgs. (16 oz.), same basis.lb. .07½- —
(12 oz.), same basis..pkg. .06½- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.46 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½- —
Niger seed, bgs.....lb. .15 - .16
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, and 40 sec. vis., bbls., wks. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 eps., ¼, ½ sec., bbls., c.l., dry weight, works.....lb. .22 - —
l.c.l., eps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works. lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 16% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 2.00 - —
f.o.b. Chemical, Ill..unit-ton. 2.00 - —
f.o.b. East Coast producing points..unit-ton. 2.25 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works. lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nitropropane I, l.c.l., dms., works. lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., oz.....lb. No prices
Chinese .....lb. .26 - .28
Extract (see Gall extract).

Exchange

OIL OF LEMON U·S·P·

Outsells ALL OTHER BRANDS COMBINED 3 to 1

Sold to the American Market Exclusively by

DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK, N. Y.

FRITZSCHE BROTHERS, INC.
76 NINTH AVENUE, NEW YORK, N. Y.

Distributors for

CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Copr., 1940, California Fruit Growers Exchange, Products Department

Nutmegs, E. I., 80s, bgs., cs..lb. .18½- .19
110s, bgs., cs.....lb. .16½- .17
small, grinding, bgs.....lb. .16 - .16¼
West Indian, bgs.....lb. .14¼- .14¾
Nux vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 -.12

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .04 - —
Ocher (see Yellow).
Octane, 100-140° C., industrial grade, dms., c.l., G. 3, gal. .15 - —
l.c.l., G.3.....gal. .27 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .12½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, U.S.P., bots.....lb. 3.50 - 3.75
sweet, true, exp., cns.....lb. 1.75 - 1.90
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 3.25 - —
Angelica, root, bots.....lb. No stocks
seed, bots.....lb.120.00 -140.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .78 - .85
Apricot, kernels, cns.....lb. .40 - .48
Avocado, cns., dms.....lb. .75 - .85
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.25
55-66% phenols, cns.....lb. 1.00 - 1.35
Bergamot, artif., cns.....lb. 2.75 - 9.25
natural, coppers.....lb.20.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .90 - —
rect'fd., cns.....lb. 1.50 - —
Bois de Rose, Brazil, cns..lb. 3.25 - 3.75
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .82 - 1.10
USP IX, cns.....lb. .84 - 1.25
USP X, cns.....lb. 1.10 - 1.25
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .22½- .28
dms. .....lb. .19½- .25
white, cns.....lb. .25 - .29
dms. .....lb. .22 - .26
Cananga, native, cns.....lb. 8.75 - 9.00
rectified, cns.....lb. 9.25 -10.00
Capsicum (oleoresin), USP VIII, cns..lb. 3.85 - 3.70
Caraway, USP, cns.....lb.10.50 -12.00
Cardamom, bots.....lb.22.00 -28.00
Cassia, USP, cns.....lb. 3.00 - 3.50
Castor, blown, one-way dms., c.l..lb. .13¼- —
l.c.l. .....lb. .14 - —
cold pressed, USP, bbls., c.l. lb. .12 - —
l.c.l. .....lb. .12¾- —
cns. (1-gal.), l.c.l.....lb. .15½- —
dms. (returnable), c.l....lb. .11¼- —
l.c.l. .....lb. .12¾- —
(5-gal.), l.c.l.....lb. .13½- —
tanks .....lb. .11 - —
dehydrated, dms., c.l.....lb. .1570- —
l.c.l. .....lb. .1610- —
tanks .....lb. .1500- —
extracted No. 3, tech., bbls., c.l..lb. .11½- —
l.c.l. .....lb. .12¾- —
dms. (returnable), c.l....lb. .11¼- —
l.c.l. .....lb. .12 - —
tanks .....lb. .10¾- —
sulphonated, 80% (43% fat), dms., c.l..lb. .07¾- —
l.c.l. .....lb. .08¾- —
75% (63% fat), dms., c.l...lb. .10¼- —
l.c.l. .....lb. .11¾- —
80% (68% fat), dms., c.l...lb. .11 - —
l.c.l. .....lb. .12 - —

Castor oil, USP, and No. 3, prices are dlvd all points between N. Y. and Philadelphia Albany, and N. E. States; Chicago c.l prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.

Cedarleaf, cs.....lb. .96 - 1.33
dms. .....lb. .93 - 1.30
Cedarwood, Southern, cns....lb. .29 - .32
dms. .....lb. .27 - .30
Celery, bots.....lb.21.50 -30.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood, dms.....lb. .32½ Nom.
tanks .....lb. .30¾ Nom.
Cinnamon, bark, bots.....lb. 9.75 -32.00
leaf, dms.....lb. .85 - 1.20
Citronella, Ceylon, cns.....lb. .55½- .57½
dms. .....lb. .53½- .55½
Java, cns., dms.....lb. .52 - .53
Clove, makers, USP, cns....lb. 1.20 - 1.25
dms. .....lb. 1.15 - 1.20
Coconut, Manila, crude, tanks, lb. .07½ Nom.
edible, 76°, dms., c.l.....lb. .13 Nom
l.c.l. .....lb. .13½- .14
tanks .....lb. No prices
Cod, Newf., dms.....gal. .78 - .80
Codliver, med., USP, bbls...bbl.80.00 -85.00
Coriander, bots.....lb.18.00 -25.00
Corn, crude, tanks, works....lb. .12¼ Nom.
refd., bbls.....lb. .13½ Nom.
Cottonseed, cooking, bbls....lb. .14 - —
salad, bbls.....lb. .14¼- —
Creosote (see C)
Croton, N.F., cns.....lb. 2.40 - 3.00
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -12.00
Cypress, bots.....lb.12.00 - —
Degrass (see D).
Dill seed, bots.....lb. 5.50 - 6.00
weed, bots.....lb. 5.75 - 6.25
Dip (see L).
Erigeron, cns.....lb. 1.50 - 2.25
Eucalyptus, cns.....lb. .66 - .70
dms. .....lb. .63 - .67
Fennel, sweet, cns.....lb. 2.00 - 2.35
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb.13.50 -14.00
Bourbon, cns.....lb.13.50 -14.00
Turkish (see Palmarosa)
Grapefruit, cns.....lb. 1.65 - 2.65
Grapeseed, dom., dms.....lb. .35 - .38
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 5.75 - 9.50
Guaiac wood, concrete, bots..lb. 3.75 - 4.50
Haarlem, imp., bots.....gross No prices
Halibut, liver, ref., dms....gal.36.00 - —
Hemlock, cns.....lb. .90 - 1.25
Juniper, berry, cns.....lb.15.00 - —
wood, tech., cns.....lb. No stocks
Juniper tar, USP XI, dms...lb. .72 - .95
Lard, common, 1, bbls.....lb. .11¾- —
2, bbls.....lb. .11⅝- —
extra, bbls.....lb. .12¼- —
1, bbls.....lb. .12 - —
Winter, strained, bbls....lb. .12½- —
prime, burning, bbls.....lb. .13¼- —
prime, ined., bbls.....lb. .12¾- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. No stocks
Lavender flower, French, 50% ester, cns..lb.10.75 -11.00
38-42% ester, cns.....lb.10.00 -10.25
35-38% ester, cns.....lb. No prices
30-32% ester, cns.....lb. 7.25 - 8.00
Oil, lavender, garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 2.55 - 3.00
dms. .....lb. 2.45 - 2.90
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 5.50 - 6.50
Terpeneless, Type 1.....lb.10.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms., lb. 1.75 - 1.90
Lime, dist., cns.....lb. 5.75 - 7.25
expressed, cns.....lb. 8.00 -10.75
Terpeneless .....lb.60.00 -65.00
Linaloe, wood, cns.....lb. 2.60 - 2.85
Linseed, raw, dms., c.l.....lb. .1130- .1150
l.c.l., 10 to 69.....lb. .1170- —
5 to 9.....lb. .1190- —
less than 5.....lb. .1210- —
tanks .....lb. .1040- .1060
boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots.....lb.85.00 - —
Lubricating, at refinery, ex tax California, neutrals, pale, 200-600 vis., 2½-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11⅛
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .17½- .23
neutral, 150-400 vis., 3-15 0-10 pour, tanks..gal. .10 - .13½
200-280 vis., 3, 15-25 pour, tanks..gal. .10 - .12¾
Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks...gal. .24 - .27½
Oil, lubricating, at refinery, ex tax, Penna., cylinder oils, 600-630 flash, tanks, gal. .14 - .16
600 - 650 steam ref'd, tanks..gal. .13 - .14½
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .30 - .37½
200 vis., 0-25 pour, tanks, gal. .32 - .39
Mace, dist., cns., dms.....lb. 2.15 - 2.65
Mandarin, Brazilian, cns....lb. 8.00 - —
Italian, coppers.....lb. 9.55 - —
Menhaden, crude, tanks, fut., Balto..gal. .57½ Nom.
ref'd alkali, dms.....lb. .1140- —
kettle-boiled, dms.....lb. .1240- —
light-pressed, dms.....lb. .1640- —
tanks .....lb. .0940- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.45 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Oil, neatsfoot, 20° cold test, bbls., lb. .25¾- —
extra, bbls.....lb. .12¼- —
1, bbls.....lb. .12 - —
prime, bbls.....lb. .12½- —
pure, bbls.....lb. .17¾- —
Neroli, bots.....lb.200.00 -375.00
Nutmeg, dist., cans, dms....lb. 2.15 - 2.65
Oiticica, liquid, dms.....lb. .20½- .21
tanks .....lb. .19½- —
Oleo, 1, bbls.....lb. .11¾- —
2, bbls.....lb. .12¾- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 3.85 - 4.00
edible, Calif., dms.....gal. 5.00 - 5.25
imported, dms.....gal. 5.40 - 5.50
foots, dms.....lb. .16¾- .17¼
sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
75% (63% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
Orange, sweet, dist., cs.....lb. 1.40 - —
expressed, Calif., cns.....lb. 2.00 - —
Florida, cns.....lb. 2.85 - 2.90
Messina, USP, coppers...lb. 8.00 Nom.
West Indies, cns.....lb. 4.75 - 6.00
terpeneless .....lb.42.00 -50.00
Origanum, cs.....lb. 1.50 - 2.45
Palm, Niger, dms.....lb. .07 Nom.
Sumatra, shipt., bulk.....lb. .06½ Nom.
Palmarosa, cns.....lb. 3.15 - 3.50
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¾- —
330° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
900° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots, cns.....lb. 4.85 - 8.00
Peanut, crude, nom, tanks...lb. No prices
refd., edible, bbls.....lb. No prices
Pennyroyal, dom., cns.....lb. 2.50 - 2.65
import, cns.....lb. 2.10 - 2.75

Needless TO POINT OUT

UNSETTLED world conditions mean a scarcity of natural products. BUT the products of American aromatics factories have satisfactorily replaced them.

Your attention is particularly called to these artificial essential oils:

OIL of Lavender Artificial
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PARA CRESOL METHYL ETHER
PHENYL ETHYL ALCOHOL

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1019 ELLIOTT STREET, W., WINDSOR, ONT.

KEEPING 'EM HAPPY!

Keeping customers satisfied and happy isn't the easiest of today's jobs, especially when the goods are of the hard-to-get variety (and what isn't, these days?)

Our plants are running at capacity endeavoring to take care of the demand for ISCO CHEMICALS, GUMS, WAXES and ALLIED PRODUCTS. We are, however, greatly handicapped by inability to secure sufficient raw materials. This, plus Government priority calls, has prevented our making shipments on time as has always been our habit.

Under these handicaps we are making every possible effort to keep our customers happy. In some cases we are able to offer good substitutes which are proving very satisfactory.

This message would be incomplete without an expression of sincere thanks to our friends for the patience they have shown us in these rather difficult times.

Depend upon ISCO for every possible cooperation.

Keep the BOYS Happy Too

Do your bit in Uncle Sam's great Civilian Army by sending in your contribution to

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Oil, Peppermint—Perchlorethyl.

Oil, peppermint, natural, cns., dms.	lb.	3.30 - 3.80
redist., USP, cns., dms.	lb.	3.50 - 4.15
Perilla, dms.	lb.	.20 - .20½
tanks	lb.	.19 - —
Petitgrain, Paraguay, cns.	lb.	1.45 - 1.50
dms.	lb.	1.40 - 1.45
Pimento berry, cns.	lb.	4.25 - 8.50
leaf, cns.	lb.	2.25 - 2.75
Pine, dest.-dist., straw-color, dms., dlvd., E. ports	gal.	.60 - —
steam-dist., dms.	gal.	.61 - .65
tanks	gal.	.54 - —
Pineneedle, Siberian, cns.	lb.	1.75 - 1.80
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	.28 - —
dms., c.l., Boston, Providence,	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —
Rapeseed, tax incl., dms.	lb.	.15¼- .15½
tax not incl., tanks	lb.	.09¾- —
blown, dms.	lb.	.17½ Nom.
Red, dist., or saponif., dms., dlvd.	lb.	.11½- .12½
tanks, dlvd.	lb.	.10¾- —
Rose, synth., bots.	lb.	4.00 -60.00
natural, coppers	oz.	16.75 -20.00
Rosemary, Spanish, cns.	lb.	.88 - 1.03
dms.	lb.	.85 - 1.00
Rosin, 1st rectified, dms.	gal.	.44 - —
2d rectified, dms.	gal.	.46 - —
3d rectified, dms.	gal.	.50 - —
Rue, bots.	lb.	7.25 - —
Sage cns.	lt.	7.50 Nom.
Sandalwood, domestic distilled, USP, cns.	lb.	4.65 - 5.00
Mysore, cns., case lots	lb.	5.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst.	gal.	.60 Nom.
refd., alkali, dms.	lb.	.1140- —
kettle-boiled, dms.	lb.	.1240- —
light-pressed, dms.	lb.	.1040- —
tanks	lb.	.0940- —
Sassafras, artif., cns.	lb.	.76 - .80
dms.	lb.	.73 - .77
natural, cns., dms.	lb.	1.05 - 1.20
Savin, cns.	lb.	No stocks
Savory, cns.	lb.	No stocks
Shark liver, crude, dms.	million vitamin units	.10 - —
Sesame, crude, coast, tanks	lb.	.11 Nom.
Shingle stains, bbls., c.l., works,	gal.	.19 - —
l.c.l., works	gal.	.20 - —
tanks, works	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	8.50 -10.00
Soybean, dom., crude, dms.	lb.	.12½ Nom.
tanks	lb.	.10¾ Nom.
refd., dms.	lb.	.12¾ Nom.
tanks	lb.	.12 Nom.
Spearmint, dms.	lb.	2.55 - 2.80
Sperm, bleach, 38°, dms.	lb.	.1220- —
45°, dms.	lb.	.1150- —
natural, dms	lb.	.1100- —
Spruce, cns., dms.	lb.	.95 - 1.25
Sweet, birch, North, cns.	lb.	2.50 - 3.25
South, cns.	lb.	1.60 - 1.75
Tall crude, dms., c.l., works,	ton.	40.00 - —
l.c.l., works	ton.	45.00 -50.00
tanks, works	ton.	30.00 - —
distilled, dms., c.l., dlvd.	lb.	.05½- .07
l.c.l., dlvd.	lb.	.06½- .08¼
tanks, dlvd.	lb	.05 - .06¾
refined, dms., c.l., works.	lb.	.04 - —
l.c.l., works	lb.	.04½- —
tanks, works	lb.	.03½- —
Tallow, acidless, bbls.	lb.	.11¾- —
tanks	lb.	.11¼- —
Tansy, cns.	lb.	3.55 - 4.25
Tar, pine, com'l, dms., c.l., dlvd. E. cities	gal.	.27 - —
E. ports, c.l.	gal.	.26½- —
l.c.l.	gal.	.30 - —
tanks, dlvd. E. cities	gal.	.21 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports	gal.	.55 - —
Tar acid (see T).		
Teaseed, crude, dms.	lb.	.23 - .23½
refined, dms.	lb.	.24½- .25
Tea tree (see Oil, Ti tree).		
Thyme, NF, red, cns.	lb.	1.40 - 2.25
white, cns.	lb.	.95 - 2.50
Tung (see Oil, Chinawood).		
Ti tree, cns.	lb.	2.50 - 2.65
Turkey red (see castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	8.50 - —
Vetiver, Java, bots.	lb.	8.50 -11.00
Whale, ref., natural, dms.	lb.	.1010- —
winter, bleach, dms.	lb.	.1050- —
Wheat germ, cns., dms.	gal.	17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms.	gal.	.34 - .43
65-75 vis., dms.	gal.	.35 - .44
80-90 vis., dms.	gal.	.36 - .45
USP, 80-90 vis., dms.	gal.	.38 - .47
95-105 vis., dms.	gal.	.43½- .52½
125-135 vis., dms.	gal.	.49 - .58
140-150 vis., dms.	gal.	.51 - .60
175-185 vis., dms.	gal.	.54½- .63½
200-210 vis., dms.	gal.	.57½- .66½
320-330 vis., dms.	gal.	.65 - .74
335-345 vis., dms.	gal.	.66 - .75
Russian, 80-90 vis., dms.	gal.	No prices
145-155 vis., dms.	gal.	No prices
175-185 vis., dms.	gal.	No prices
335-345 vis., dms.	gal.	No prices
Wintergreen, natural, North, cns.	lb.	4.75 - 6.00
South, cns.	lb.	3.50 - 3.85
synth (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	2.20 - 2.70
Wormwood, cns.	lb.	4.50 - 5.00
Ylang-ylang, Bourb., bots., cns.	lb.	No stocks
Manila, bots.	lb.	35.00 -40.00
Olivine, aggregate c.l. mines,	ton.	7.00 -11.00
Lumps, same basis	ton.	7.00 - —
Spalls, same basis	ton.	5.00 - —
crushed, 8 mesh, bulk, c.l., works.	ton.	8.00 - —
paper bags, c.l., wks.	ton.	9.50 - —
ground, 325 mesh, c.l., mines.	ton.	20.00 - —
200 mesh, c.l., mines.	ton.	17.00 - —
100 mesh, c.l., mines.	ton.	15.00 - —
20 mesh to dust	ton.	12.00 - —
Opium, gum, USP, 50-lb. lots, cns.	lb.	11.50 - —
25-lb. lots, cns.	lb.	11.75 - —
5-lb. lots, cns.	lb.	12.00 - —
1-lb. lots, cns.	lb.	12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.		
Orange, Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash.	lb.	.11½- —
Orange, mineral, Amer., bbls., 5 tons, dlvd., Colo., Mont., N. M., Wyo.	lb.	.11¾- —
Other points	lb.	.11¼- —
smaller lots, dlvd., Ala., etc.	lb.	.12 - —
Ariz., etc.	lb.	.12½- —
Colo., Mont., N. M., Wyo.	lb.	.12¼- —
Other points	lb.	.11¾- —
French, Tours, casks, ex dock,	lb.	No prices
kgs., ex dock	lb.	No prices
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.45 - .50
Orange peel, bitter, bls.	lb.	.09 - .10
sweet, bls.	lb.	.10 - .12
Haitain, bgs.	lb.	.07½- .08
Orris root, Florentine, bgs.	lb.	2.00 Nom.
fingers, cs.	lb.	No stocks
powd., bbls., bxs.	lb.	2.25 Nom.
Verona, bls.	lb.	2.00 Nom.
powd., bgs., cns.	lb.	2.25 Nom.
Orthoamylphenol, l.c.l., dms., works.	lb.	.15 - —
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloraniln, dms.	lb.	.60 - .70
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol, dms., c.l., works.	lb.	.17 - —
l.c.l., same basis	lb.	.17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld, E. of Rockies.	lb.	.06 - .07
l.c.l., same basis	lb.	.07 - .08
100-lb. tins, same basis	lb.	.08 - .09
50-lb. tins, same basis	lb.	.09 - .10
tanks, same basis	lb.	.05½- .06½
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.		
Orthonitroaniln, dms.	lb.	.55 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.80 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange, crystals, bgs.	lb.	.21 - —
extract, bbls., No. 1	lb.	.10 - —
No. 2	lb.	.09 - —
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	3.50 - —
bots., cns., 1-50 lbs.	lb.	3.75 - 4.15

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Papain, powd., cs.	lb.	2.50 - 2.60
Paprika, Algerian, bgs.	lb.	.32½- .33
Bulgarian, bgs.	lb.	.26 - .29
Portuguese, fancy, bgs.	lb.	.33 - .35
good, bgs.	lb.	.26½- .27
Spanish, extra fancy, cs.	lb.	.42½- .43
medium, cs.	lb.	.40 - .41
Parachlorophenol, dms.	lb.	.32 - —
Paracymene, refd., dms.	gal.	.75 - 1.25
Paradichlorobenzene, dms, c.l.	lb.	.11 - .13
l.c.l.	lb.	.12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy.	lb.	.05¼ Nom.
bbls., c.l., N.Y.	lb.	.05¼ Nom.
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.05¼ Nom.
bbls., c.l., N.Y.	lb.	.05¼ Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.05 Nom.
fully refd., 123-125 A.m.p., bgs., c.l.	lb.	.0570 Nom.
128-130 A.m.p., bgs. or loose, c.l.	lb.	.0570 Nom.
131-133 A.m.p., bgs. or loose, c.l.	lb.	.0595 Nom.
133-135 A.m.p., bgs. or loose, c.l.	lb.	.0625 Nom.
135-137 A.m.p., bgs. or loose, c.l.	lb.	.0650 Nom.
138-140 A.m.p., bgs. or loose, c.l.	lb.	.0725 Nom.
143-145 A.m.p., bgs. or loose, c.l.	lb.	.0820 Nom.
151-153 A.m.p., bgs. or loose, c.l.	lb.	.15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower. Prices are for contract delivery.		
match, A.m.p., up to and incl. 110-112 bbls., c.l.	lb.	.03½- —
Semi-refd., solid, 122-124 A.m.p.	bgs.	.06 Nom.
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.23 - —
100 to 900 lbs. shipments, same basis	lb.	.24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.11¼- —
5 and 10-gal. dms., works.	lb.	.15 - —
USP, cs., cbys.	lb.	.37 - .45
Paranitrophenol, kgs.	lb.	.35 - —
Paranisidine, dms.	lb.	.75 - —
Paranitroaniln, kgs., works.	lb.	.45 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrotoluene, kgs.	lb.	.30 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.48 - —
Pareira brava root, bls.	lb.	.20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 - .25
l.c.l., same basis	lb.	.24 - .26
Passion flower, herb, bls.	lb.	.06 - .07
Patchouli leaves, bls.	lb.	.28 - .30
Pellitory root, bls.	lb.	.30 - .32
Pennyroyal leaves, bls.	lb.	.15 - .16
Pentachlorophenol, dms., works,	lb.	.20 - .25
Pentaerythritol, C.P., bbls., dlvd.,	lb.	.75 - —
less than barrel lot	lb.	1.00 - —
tech., bbls., dlvd.	lb.	.83½- .85½
less than barrel lots	lb.	.40 - —
Pentaerythritol tetra acetate, bbls., dlvd.	lb.	1.00 - —
less than barrel lot	lb.	1.50 - —
Pentanes, 28°-38° C., industrial grade, dms., c.l., G.3,	gal.	.11 - —
l.c.l., G.3	gal.	.19 - —
tanks, G.3	gal.	.08½- —
laboratory grade, dms., c.l., G.3,	gal.	.16 - —
l.c.l., G.3	gal.	.27 - —
10 gals., G.3	gal.	.55 - —
Pepper, black, Alleppy, bags.	lb.	.08¾- .09¼
Lampong, bags	lb.	.0600- .0620
Tellicherry, bags	lb.	.08½- .09
white, Java, Muntok, bags.	lb.	.11 - .11½
Muntok, small berry, bags.	lb.	.10½- .11
red, chillies, Japan, Hontaka.	lb.	.21 - .22
Mombassa, bgs.	lb.	.24½- .25
Sierre Leone, bgs.	lb.	.24 - .24½
Peppermint leaves, dom., bls.	lb.	.75 - .80
import, bls.	lb.	1.25 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 - —
l.c.l., same basis	lb.	.08½- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08¼- —
l.c.l., same basis	lb.	.09 - —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —

Perchlorethylene, Zone 4, dms., c.l., f.o.b. stock points	lb.	.09	- —
l.c.l., same basis	lb.	.09¼	- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms	lb.	1.35	- 1.40
Petrolatum, amber, dms	lb.	.03¼	- —
l.c.l.	lb.	.04¼	- —
amber, extra, dms	lb.	.04	- —
l.c.l.	lb.	.04½	- —
white, cream, dms., c.l.	lb.	.04½	- —
l.c.l.	lb.	.06	- —
lily, dms., c.l.	lb.	.05¼	- —
l.c.l.	lb.	.06¾	- —
snow, dms., c.l.	lb.	.06	- —
l.c.l.	lb.	.08	- —
Petroleum, crude, bulk, at wells:—			
California	bbl.	.43	- 1.71
Canada	bbl.	1.08	- 1.70
Central West:—			
Illinois	bbl.	1.37	- —
Ohio	bbl.	1.05	- 1.10
Michigan	bbl.	1.17	- 1.44
Indiana	bbl.	1.22	- —
East Texas	bbl.	1.25	- —
Gulf Coast	bbl.	1.06	- 1.48
Kentucky, Tennessee	bbl.	1.22	- 1.43
Louisiana, Arkansas	bbl.	.94	- 1.36
Mexico	bbl.	No prices	
Midcontinent (Oklahoma, Kansas, North Texas)	bbl.	.75	- 1.25
Pennsylvania, Ohio, West Virginia:—			
Bradford, Allegany	bbl.	2.75	- —
Corning	bbl.	1.31	- —
N. Y. Transit lines	bbl.	2.75	- —
Eureka lines	bbl.	2.34	- —
Penna., S. W. Penn lines	bbl.	2.40	- —
Lower district in National Transit lines	bbl.	2.63	- 2.68
Rocky Mountains	bbl.	.96	- 1.20
South Central and Southwestern Texas	bbl.	1.03	- 1.50
Texas Panhandle, W. Texas and N. Mexico	bbl.	.70	- 1.27
Ether, laboratory grade, 30-60°C., c.l.	gal.	.16	- —
l.c.l.	gal.	.27	- —
10 gals.	gal.	.35	- —
35-60°C., l.c.l.	gal.	.27	- —
10 gals.	gal.	.35	- —
40-75°C., c.l.	gal.	.16	- —
l.c.l.	gal.	.27	- —
10 gals.	gal.	.35	- —

Petroleum ether prices are spot quotations, f.o.b. Group 3, for material packed in drums.

Lacquer, diluent, at refinery:—			
California, 90 l.b.h., 200 e.p., tanks, dlvd., Los Angeles	gal.	.11	- —
San Francisco	gal.	.11¼	- —
Willbridge, Ore., Fort Wells, Wash.	gal.	.12	- —
East Coast, N. Y., tanks,	gal.	.10½	- —
N. J., tanks	gal.	.11	- —
Group 3, toluol type, tanks,	gal.	.07⅞	- .08¼
Benzol type, tanks	gal.	.07⅞	- .08⅝
Mineral spirits, at refinery:—			
California (f.o.b. San Francisco). 166-252 b.r., tanks,	gal.	.10¼	- —
198-290 b.r., tanks	gal.	.10¼	- —
246-397 b.r., tanks	gal.	.10¼	- —
312-408 b.r., tanks	gal.	.09	- —
367-458 b.r., tanks	gal.	.09	- —
East Coast, N. Y., tanks,	gal.	.09	- —
N. J., tanks	gal.	.09½	- —
Group 3, tanks	gal.	.06¼	- —
Gulf Coast, tanks	gal.	.06½	- —
tankwagon:—			
Albany	gal.	.13¾	- —
Baltimore (100 gals.)	gal.	.14	- —
25-99 gals.	gal.	.16	- —
Boston	gal.	.13¾	- —
Bound Brook, North Amboy, N. J.	gal.	.13¼	- —
Bridgeport, Conn	gal.	.11¼	- —
Buffalo	gal.	.15½	- —
Camden, N. J.	gal.	.10	- .11¼
Chicago	gal.	.1670	- —
Decatur	gal.	.1810	- —
Des Moines	gal.	.1790	- —
Evansville, Ind.	gal.	.1420	- .1520
Milwaukee	gal.	.1930	- —
Minneapolis-St. Paul	gal.	.19¼	- —
Newark	gal	.09¾	- —
New York (200 gal.)	gal.	.10	- —
Omaha	gal.	.12½	- —
Pittsburgh	gal.	.11½	- .13½
Providence	gal.	.12	- —
Rochester	gal.	.12½	- —
St. Louis	gal.	.1470	- —
Syracuse	gal.	.10½	- —
Trenton	gal.	.10½	- —
Wilmington, Del.	gal.	.12½	- —
Naphtha, cleaners, at refinery:—			
California (f.o.b. San Francisco), tanks	gal.	.12	- —
East Coast, N. Y., tanks,	gal.	.10	- —
N. J., tanks	gal.	.10½	- —
Group 3, tanks	gal.	.07⅛	- —
Gulf Coast (f.o.b. New Orleans), tanks	gal.	.06¾	- —
tankwagon, Boston, ex tax,	gal.	.13½	- —
Bridgeport	gal.	.13½	- —
Chicago, inc. 4c. tax	gal.	.18	- —
Decatur, inc. 4c. tax	gal.	.1910	- —
Des Moines, inc. 4c. tax,	gal.	.1890	- —
Evansville, inc. ex tax	gal.	.15	- .16
Milwaukee, inc. 5c. tax	gal.	.2030	- —
Minneapolis-St. Paul, inc. 5c. tax	gal.	.20½	- —
Newark, ex tax	gal.	.10½	- —
New York, ex tax	gal.	.11	- —
Omaha, ex tax	gal.	.1490	- .1590
Oklahoma City, ex tax	gal.	.16½	- —
Philadelphia, ex tax	gal.	.12	- —
St. Louis, inc. 1c. tax	gal.	.15½	- —
Syracuse, 150 gals.	gal.	.14½	- —
smaller lots, galv. drums,	gal.	.10	- —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway	gal.	.21	- —
2, over 90% arom., same basis	gal.	.21	- —
3, same basis	gal.	.22	- —
8, tanks, f.o.b. Paulsboro, N. J.	gal.	.16½	- —
30, same basis	gal.	.17½	- —
40, same basis	gal.	.17¾	- —

Petroleum, naphtha, V.M.&P., at refinery:—			
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo	gal.	.11	- —
Richmond	gal.	.11½	- —
Willbridge, Ore., Ft. Wells, Wash.	gal.	.12	- —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles	gal.	.10	- —
San Francisco	gal.	.10½	- —
Portland, Seattle	gal.	.11	- —
East Coast, N. Y., tanks,	gal.	.10	- —
N. J., tanks	gal.	.10½	- —
Group 3, tanks	gal.	.07⅛	- —
Gulf Coast (dlvd. New Orleans), tanks	gal.	.06½	- —
tankwagon, Boston, ex tax,	gal.	.14½	- —
Chicago, inc. 4c. tax	gal.	.17	- —
Des Moines, inc. 4c. tax,	gal.	.1890	- —
Decatur, inc. 4c. tax	gal.	.1910	- —
Evansville, Inc., ex tax,	gal.	.1520	- .1620
Milwaukee, inc. 5c. tax	gal.	.2030	- —
Minneapolis-St. Paul, inc. 5c. tax	gal.	.20	- —
Newark, ex tax	gal.	.11½	- —
New York, ex tax	gal.	.10	- —
Omaha, ex tax	gal.	.1490	- .1590
Philadelphia, ex tax	gal.	.13	- —
St. Louis, inc. 1c. tax	gal.	.1570	- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco).	gal.	.24	- —
East Coast, N. Y., tanks,	gal.	.10	- —
N. J., tanks	gal.	.10½	- —
Group 3, tanks	gal.	.07⅛	- —

Petroleum, solvent, Stoddard (CS 8-33), at refinery:—			
California (f.o.b. San Francisco), tanks	gal.	.11	- —
East Coast, N. Y., tanks.	gal.	.09	- —
N. J., tanks	gal.	.09½	- —
Group 3, tanks	gal.	.06⅝	- —
Tankwagon, Boston, ex tax.	gal.	.14	- —
Chicago, inc. 4c. tax	gal.	.1640	- —
Decatur, inc. 4c. tax	gal.	.1860	- —
Des Moines, inc. 4c, tax.	gal.	.1840	- —
Evansville, Ind., ex tax.	gal.	.14	- .15
Milwaukee, inc. 5c. tax	gal.	.1980	- —
Minneapolis-St. Paul, inc. 5c. tax	gal.	.1820	- —
Newark, ex tax	gal.	.09½	- —
New Orleans, ex tax	gal.	.11	- —
New York, ex tax	gal.	.10	- —
Omaha	gal.	.1360	- .1450
Philadelphia, ex tax	gal.	.13	- —
St. Louis, inc. 1c. tax	gal.	.1340	- —
Tulsa, ex tax	gal.	.10½	- .11½
Phenobarbital, 5-lb. bots.	lb.	4.35	- —
bots. or cns., 100 lbs., spot or contract	lb.	4.00	- —
25-lb. cns.	lb.	4.25	- —
Phenol, USP, dms., c.l., works, frt. equald	lb.	.12½	- —
l.c.l., same basis	lb.	.13¼	- —
under 1,000 lbs.	lb.	.14¼	- —
tanks, works	lb.	.11½	- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots	lb.	.85	- —
bbls., dms., kegs, 100-250 lbs.,	lb.	.87	- .89

Perchlorethyl.—Phos. Trichlor.

Phenolphthalein, yellow, fib. dms., 2,000-lb. lots.	lb.	.80	- —
100-lb. fib. dms.	lb.	.82	- —
25-lb. dms.	lb.	.87	- —
50-lb. kgs.	lb.	.84	- —
Phenyl chloride, dms.	lb.	.17	- —
Phenylacetaldehyde, bots.	lb.	4.00	- 4.10
dimethylacetate, cns.	lb.	14.50	-15.00
Phenyl ethyl acetate, cns.	lb.	2.50	- 2.75
Phenylethylphenyl acetate, bots.	lb.	8.00	-15.00
Phenylhydrazine, base, CP, bots.	lb.	4.55	- —
hydrochloride, CP, bots., works.	lb.	7.10	- —
commercial, kgs., works	lb.	1.75	- —
Phloroglucinol, CP, tins, wks.	lb.	20.00	-22.00
tech., tins, works	lb.	15.00	-16.50
Phosphate rock, Fla., high-grade, hard, 76% min.	long ton.	No prices	
land-pebble, 68% min.	long ton.	1.90	- —
70% min.	long ton.	2.15	- —
72% min.	long ton.	2.50	- —
Tenn., 72% min.	long ton.	4.50	- —
75% min.	long ton.	5.50	- —

Phosphate rock prices are for shipment in bulk, f.o.b. mines.

Phosphorus, red, cs.	lb.	.40	- .44
yellow, dms.	lb.	.18	- .20
cases	lb.	.23	- .25
Oxychloride, cyls.	lb.	.15	- .18
Pentoxide, dms., c.l., works	lb.	.11	- .12
l.c.l., dms., works	lb.	.13	- .14
Sesquisulphide, cs.	lb.	.38	- .42
Trichloride, cyls.	lb.	.15	- .16

A CAN FULL of new furniture!

Buying new furniture by the canful becomes a habit with many home-makers once they try Lucas 4-Hour Varnish!

Naturally, a varnish which dries into a hard, protecting finish so quickly needs the fullest possible protection on its way from the manufacturer to the home.

John Lucas & Company, Inc., of Philadelphia, has found Crown Cans (perfectly sealed with Williams KORK-N-SEAL caps) ideal containers for Lucas 4-Hour Varnish . . . assuring its arrival at the scene of the job in the same perfect condition in which it left the factory.

Whatever your product may be, Crown stands ready to work with you and for you to devise and perfect the container which best fits your specific requirements.

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CROWN CAN

Phthalamide—Rosemary

Phthalamide, bbls., works, ton..lb. .35 - —
single, bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. all. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .09
Pilocarpine hydrochloride, bots., vis..oz. 3.25 - 3.75
Nitrate, bots., vis.....oz. 3.25 - 3.75
Pimento, Jamaica, bgs.....lb. .27 - .27½
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. .41 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pitch, pine, bbls.....bbl. 6.75 - 7.00
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss—lb. 4.50 - 4.70
Poke root, bls.....lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .42 - .44
Roumanian, bgs.....lb. .37 - .38
Turkish, bgs.....lb. .32½- .33
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs..lb. .13 - .15
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
gran., bbls., 250 lbs.....lb. .15 - —
Bichromate, spots, c.l., works, lb. .09⅝- —
6 casks or 10 bbls., or over, works..lb. .09¼- —
5 casks or 9 bbls., or less, works..lb. .10 - —
Bromide, USP, gran., bbls., 700 lbs..lb. .27 - —
kgs., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. all..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02⅝- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .03½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .03⅝- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate, bgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
50-lb. dms.....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz.14.20 -14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns.lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —

Potash, guaiacosulphonate, fib. dms., 100-lb. lots..lb. 1.75 - —
25 lbs. to 50 lbs.....lb. 1.80 - 1.85
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports, unit-ton. .60 - —
f.o.b. Carlsbad, N.M.unit-ton. .20 - .21
import, 30%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .21 Nom.
Muriate, dcm., min. 50% K_2O, bulk, ex vessel, ports.. unit-ton. .56 - .58
min. 60% K_2O, same basis.. unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex vessel, Atlantic or Gulf ports..unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above.
Nitrate, cryst., kgs.....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports. No prices
Perchlorate, kgs., works.....lb. .03½- .11
Permanganate, tech., dms., wks. lb. .19¾- .20¼
USP, dms., wks.....lb. .20½- .21
Prussiate, red, bbls.....lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs., lb. .07 - —
Sulphate, NF, powd., 350 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk, basis 90%, K_2SO_4, ex vessel, ports. ton.36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .25 - .28
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns., lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice stone, Italian, Amer.-ground, lb. No prices
Pulverized-ground .....lb. No prices
Pumpkin seed, bgs .....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethins per 100 cc., dms., dlvd..gal. 4.40 - 4.60
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 6.60 - —
Pyrethrum flowers, coarse., grnd. (g.f.p), 9% pyrethrins, frt. alld., bbls..lb. .21 - .22
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .22 - .23
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —

Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis.....ton.12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis.....ton.12.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaques, cs., works..lb. .04 - —
translucent pastels, cs., works, lb. .10 - —
transparent, cs., works.....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works...lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .05½- —
tanks, works.....lb. .03 - —
solid, 62%, bgs., c.l., ex dock, plus duty..lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05½- —
pwd., bgs., c.l.....lb. .10 - —
l.c.l., bgs.....lb. .10½- —
Queen of the meadow leaves bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, crystals, bgs.....lb. .24 - —
extract, bgs, No. 1.....lb. .09 - —
No. 2.....lb. .08½- —
No. 3.....lb. .08 - —
solid, bxs.....lb. .17 - —
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flask190.00 -192.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.250.00 Nom.
ex store.....flask.252.00 Nom.
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .66 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns.....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .81 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbolate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Quinine, valerate, cns.....oz. .99 - —
Tartrate, cns .....oz 1.03 - —
Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expense over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06½
Rape, bgs.....lb. No stocks
Indian, medium, recleaned, bgs..lb. .07½- .08
Japanese, bgs.....lb. No stocks

Raspberries, dried, bls.....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Red, cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
light shade, bbls., ton lots, **same basis..lb. .75 - —**
smaller lots, same basis. lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis. lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis..lb. .85 - —
kgs., ton lots, same basis..lb. .85 - —
smaller lots, same basis..lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis..lb. 1.05 - —
kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis..lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis..lb. .90 - —
kgs., ton lots, same basis..lb. .90 - —
smaller lots, same basis..lb. .95 - —
Selenide, bbls., light, works..lb. 2.35 - —
maroon, works.....lb. 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire, toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y..lb. .09¼- —
80-85%, bbls., same basis...lb. .07¾- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .22
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs..lb. 3.09 - —
smaller lots.....lb. 3.11 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .09 - —
l.c.l., works.....lb. .09¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¾- —
80% copperas oxide, bbls., **same basis..lb. .08¼- —**
Para, toner, concent., kgs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l..lb. No prices
Phloxin toner (see Red, Eosin-toner)
Phosphotungstic rhodamine kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .80 - 1.00
Oxide, bbls., f.o.b Bethlehem, Easton, E. St. Louis..lb. .03¼- —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis, alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, Grade 1, c.l., bbls., f.o.b. N.Y..lb. .04⅝- —
l.c.l. .....lb. .04⅞- —
Grade 2, c.l., bbls., f.o.b. N.Y..lb. .04⅛- —
l.c.l. .....lb. .04⅜- —
Toluidin toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .02⅔- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02⅝- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03⅛- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N. F. powd. fib. dms., 50 lbs. or more..lb. 3.26 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .39½- —
smaller lots.....lb. .40 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - —
Rose flowers, pale, bls.....lb. .42 - .43
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .26 - .27

Better ALKYDS!

AROPLAZ* is our designation for pure and modified alkyds, which are now being manufactured in our large additional unit in Newark, N. J.

This recently completed plant has been built to take advantage of the most modern equipment and controls for the uniform production of alkyds of quality, for exacting and diversified needs. Ample storage has been provided and there are railroad and docking facilities on the premises, permitting economical distribution in drums or tanks.

Research and technical service laboratories have been expanded to meet changing standards and requirements. We invite your inquiries.

STROOCK & WITTENBERG CORPORATION
60 East 42nd Street New York, N. Y.

THE COMPLETE RESIN LINE
"S & W" ESTER GUM—all types
"AROPENE"*—pure phenolics
"AROCHEM"*—modified types
"CONGO GUM"—raw, fused and esterified
"AROPLAZ"*—alkyds
NATURAL RESINS—all standard grades
* Registered U. S. Patent Office

Rosin, gum, B, bbls., ex dock..
100 lbs. 2.63 - —
D, bbls.....100 lbs. 2.83 - —
E, bbls.....100 lbs. 2.83 - —
F, bbls.....100 lbs. 2.93 - —
G, bbls.....100 lbs. 2.93 - —
H, bbls.....100 lbs. 2.93 - —
I, bbls.....100 lbs. 2.93 - —
K, bbls.....100 lbs. 2.93 - —
M, bbls.....100 lbs. 2.93 - —
N, bbls.....100 lbs. 2.86 - —
W. G., bbls.....100 lbs. 3.09 - —
W. W., bbls.....100 lbs. 3.33 - —
X, bbls.....100 lbs. 3.33 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines.....ton.37.50 - —
Import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .28
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb.38.00 -39.00
Safrol, cns.....lb. 1.03 - —
dms.....lb. 1.00 - —
Sage, Dalmatian, garden, bls..lb. 1.50 Nom.
stemless, bls.....lb. No stocks
ground, bls.....lb. 1.75 Nom.
Greek, bls.....lb. .90 - 1.00
Spanish, bls.....lb. No st.
Sago, flour, bgs.....lb. .05½- .06
Salicin, bots., 5 lbs.....lb. 7.00 - —
cns., 25 lbs.....lb. 6.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., flt. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N. Y...ton.14.20 - —
l.c.l., bgs., dlvd. N. Y...ton.16.00 -16.60
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton.15.70 - —
l.c.l., dlvd. N. Y.....ton.18.20 -21.30
Saltcake, dom., bulk, works.ton.13.00 Nom.
import, bulk, c.i.f.....ton.16.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 9.10 -10.10
1-9 tons.....100 lbs. 9.25 -10.25
less than ton lots..100 lbs. 9.50 -10.50
gran., bbls., 10-20 tons.....
100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
powd., bbls., 10-20 tons.....
100 lbs. 9.10 - —
1-9 tons.....100 lbs. 9.25 - —
less than ton lots..100 lbs. 9.50 - —
Santonin, cryst., cns.....kilo.170.00 -182.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .32 - .33
Mexican, bls.....lb. .20 - .22
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Senna, Tinnevelly, No. 1, bls., lb. .13 - .14
2 bls.....lb. .11 - .13
3 bls.....lb. .09 - .10
powd., bbls., bxs.....lb. .13 - .14
Pods., bls.....lb. .10 - .11
Serpentaria root, bls.....lb. .60 - .65
Shellac, bleached, bonedry, bbls., f.o.b. N. Y...lb. .34 - —
dlvd., Boston.....lb. .35 - —
Chicago.....lb. .35½- —
Pacific Coast.....lb. .37½- —
rfd., bbls., f.o.b. N. Y.....lb. .41 - —
dlvd., Boston.....lb. .41½- —
Chicago.....lb. .41¾- —
Pacific Coast.....lb. .45 - —
Garnet, bgs.....lb. .30 - .31
D.C., V.S.O., or Diamond I. cs., cs..lb. .38 - .39
Superfine, bgs., f.o.b. Boston, N. Y..lb. .29 - .30
dlvd., Chicago.....lb. .29½- .30½
Pacific Coast.....lb. .32 - .33
T. N., bgs, f.o.b. Boston, N. Y., lb. .28½- .29
dlvd., Chicago.....lb. .29 - .30
Pacific Coast.....lb. .32 - .33
varnish, Metro area, orange, 5-lb. cut, bbls..gal. 1.45 - 1.50
4½-lb. cut, bbls.....gal. 1.40 - 1.45
4-lb. cut, bbls.....gal. 1.35 - 1.40
white, 5-lb. cut, bbls.....gal. 1.55 - 1.60
4½-lb. cut, bbls.....gal. 1.50 - 1.55
4-lb. cut, bbls.....gal. 1.45 - 1.50
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works.ton.35.00 - —
smaller lots, works.ton.38.00 - —
wet-grd., 96-98% 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works ton.22.00 - —
med. grd., 99%, 325 mesh, l.c.l., 2½ tons, works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½% 325 mesh, bgs., c.l., works .ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Silver, cyanide, cns., 2,500 ozs. oz. .33 - —
1,000 ozs.....oz. .33¼- —
500 ozs.....oz. .33½- —
60 to 100 ozs.....oz. .33⅝- —
Nitrate, vis.....oz. .24 - —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .35 - .40
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .13
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .56 - .58
Smalt, black, extra velvet, ctns., lb. .05 - .08
Blue, ctns.....lb. .07 - .08⅛
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls., bbls.....lb. .13 - .13⅛
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .17 - .18
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd., lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04¼- .05
l.c.l., dlvd..lb. .05 - .06
USP, bbls., dlvd.....lb. .06 - —
90%, dms., c.l., dlvd.....lb. .06 - .06¼
l.c.l., dlvd.....lb. .06¾- .07
Alginate, dms., bbls., works..lb. .39 - .70
Antimoniate, bbls., dlvd.....lb. .15 - .15½
Arsenate, dms., dealers, c.l., works..lb. .07½- —
l.c.l., dms., works.....lb. .08¾- .09
Soda, Arsenate, dry, gray, dms., c.l., dealers, works..lb. .06¼- —
l.c.l., dms., works.....lb. .07 - .07½
white, dms., c.l., dealers, works..lb. .07¼- —
l.c.l., dms., works.....lb. .08 - .08½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. 95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 -
l.c.l., Zone 1.....100 lbs. 2.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. 90 -

Rosin—Soda Ash

Soda ash, light, 58%, bgs., c.l., works..100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

THEY GREW UP TOGETHER.....

But one's a "black sheep"!

The other was bleached by the ACTIVATED TEXTONE—Hypochlorite Process and retained its strength!

● This is an unretouched photograph of two swatches of white cotton fabric after silver nitrate test for oxycellulose (the presence of which indicates degrading and weakening of fibres, causes yellowing on storage and results in uneven dyeing). Since oxycellulose precipitates silver, the darker swatch—bleached with ordinary hypochlorite—shows presence of a high degree of oxycellulose. The lighter swatch—bleached with hypochlorite *plus* Textone—developed *little* color. No oxycellulose indicated.

These two swatches are from the same piece of cloth and had received identical treatment, including the same kier boil, prior to bleaching. Therefore, the difference in oxycellulose is entirely due to the difference in the bleaching operation.

When Textone, a Mathieson developed sodium chlorite product, is added to regular hypochlorite bleach it is possible to bleach to highest and more permanent whites with maximum strength retention. And when properly handled this entirely new bleaching process *will not form* oxycellulose. An Activated Textone-hypochlorite bleach has enough oxidizing power to destroy all color in cotton fabrics—but *does not attack the fibre itself.* This eliminates the need for accurately controlling concentration, temperature or time of bleach. Textone ($NaClO_2$) controls and reinforces your regular hypochlorite—its use involves little change in bleach routine or equipment. And its bleaching power is equal to that of chemic of nearly *twice* the available chlorine.

Textone itself, highly soluble in water, is economical to use. Stable, up to and including 150 deg. C., none is lost in the bleaching operation. This permits every pound to do effective work. And the capacity of current equipment may be increased by adding Textone to the kiers, eliminating multiple boils. The oxidizing power of Textone is equivalent to 130% available chlorine.

We invite your inquiries in regard to Textone and the new Activated Textone-hypochlorite bleaching process. Our technical staff, the men who developed this remarkable process, will be glad to show you how it can improve *and* economize your bleach operations—improve the quality of your finished goods.

MATHIESON CHEMICALS
THE MATHIESON ALKALI WORKS, (INC.)
60 E. 42ND STREET, NEW YORK, N. Y.

SODIUM CHLORITE PRODUCTS . . . SODA ASH . . . CAUSTIC SODA . . . BICARBONATE OF SODA . . . LIQUID CHLORINE . . . BLEACHING POWDER . . . HTH PRODUCTS . . . AMMONIA, ANHYDROUS and AQUA . . . FUSED ALKALI PRODUCTS . . . SYNTHETIC SALT CAKE . . . DRY ICE . . . CARBONIC GAS

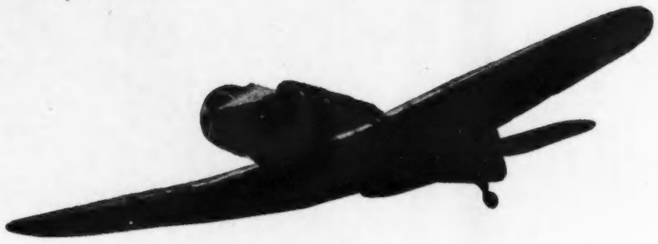
Soda Benzoate—Soda, Sesquicar.

Soda, benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,600 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....lb. 2.60 - —
powd., bbls., c.l., works... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., wks..lb. .07¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07¼- —
5 cks. or 9 bbls. or less, works..lb. .07¾- —
Bifluoride, bbls., c.l.....lb. .11 - —
10 bbl. lots.....lb. .11½- —
1-9 bbls.....lb. .12 - —
kegs .....lb. .12½- —

Soda, bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works... 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber drms., 100 lbs.....lb. .23 - —
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
drms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, drms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.85 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - -

Soda caustic, solid, 76%, ammon., process, drms., c.l., works, 100 lbs. 2.90 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, drms., c.l., works..100 lbs. 2.30 - —
Soda, caustic, solid, electro process, drms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¾- —
l.c.l., 5 cks., 10 bbls. or over, works..lb. .09½- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., drms., 50-lb. lots....lb. .20½- —
25-lb. lots.....lb. .22½- .28½
drms., kgs., 100-lb. lots...lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .23 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., drms..lb. .14 - .15
imports, 90%, cs.....lb. No prices
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
anhy., drms., dlvd.....lb. .12½- —

Soda, fluoride, white, 90%, bbls., c.l., frt. alld..lb. .08 - —
l.c.l., 10 or over, same basis..lb. .08½- —
1-9, same basis.....lb. .09 - —
95%, bbls., c.l., same basis.lb. .08¼- —
l.c.l., 10 or over, same basis..lb. .08¾- —
1-9, same basis.....lb. .09¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
drms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
drms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
drms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works.... 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
drms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
drms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.57
Mandelate, 100-lb. drms.....lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., drms., c.l., works, frt. equald..100 lbs. 3.75 - —
15 drms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 drms., same basis... 100 lbs. 4.80 - —
1-2 drms., same basis... 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing points or ports, rail or boat shipment.ton.29.40 - —
200-lb. bgs., same basis.. ton.28.70 - —
bulk, same basis.....ton.27.00 - —
refd., gran., bbls., 10 tons.... 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized...lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., drms., c.l., works, frt. equal'd..lb. 4.50 - —
15 drms., and over, same basis..lb. 5.45 - —
3-14 drms., same basis..lb. 5.60 - —
1- 2 drms., same basis..lb. 5.85 - —
flake, drms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .42 - —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.40 - —
l.c.l., works.....100 lbs. 6.35 - —
bbls., c.l., works...100 lbs. 5.60 - —
l.c.l., works.....100 lbs. 6.55 - —
cryst., tech., bgs., c.l., wks., 100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
bbls., c.l., works...100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.80 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works.....100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works...lb. 2.35 - —
l.c.l., works.....100 lbs. 2.75 - —
bbls., c.l., works...100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
kegs, c.l., works...100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.45 - —
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works.lb. .11½- .16
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10¼- —
contracts .....lb. .09¼- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized, 100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.20
Salicylate, bxs.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.



DOWN TO THE SEA IN AIRSHIPS

Whether "hell-diving" down to the sea or patrolling our coastal waters in long-range bombers, the air arm of the United States Navy must have planes that can withstand the elements.

Chromium chemicals play a vital role in the delivery of aircraft that can "take it." Aluminum is essential in the construction of airplanes, and chromic acid is required and used extensively for the so-called anodic treatment of aluminum parts of planes for the Navy, in order to insure corrosion resistance and improve paint adherence. Another requirement of the Navy is the use of a few ounces of chromate inside the pontoon floats of hydroplanes to prevent corrosion by sea water.

Chromium chemicals are used in many phases of America's essential industries and the Mutual Technical Staff has frequently been able to contribute valuable ideas concerning their use. The services of our Research Department are constantly available for consultation and collaboration with companies interested in the use of chromium chemicals.

Mutual Chemical Co. of America

270 MADISON AVENUE, NEW YORK

Soda, sesquisilicate, dms., c.l., works..100 lbs. 2.90 - —
10 dms. or over, dlvd. N.Y.C., 100 lbs. 4.06 - —
1-9 dms.....100 lbs. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.85 - —
1 to 4, works....100 lbs. 1.90 - —
Silicofluoride, dom., bbls....lb. .12 - .15
Stannate, dms.....lb. .34 - .37
Stearate, lump, powd., bbls., works..lb. .19 - .34
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
N.V. VI, exsiccated, pwd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10¼
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.25
bbls.....100 lbs. 2.30 - 2.45
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .29
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works...lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15½- —
smaller lots, works.....lb. .15¾- —
Soybean meal, 41%, bgs.....ton.38.70 - —
protein, bgs., c.l., works....lb. .11½- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 3.65 - 3.95
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .02 - —
tanks, works.....lb. .01½- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. 1.25 - 1.30
White, bls.....lb. .40 - .42
powd., bbls., bxs.....lb. .50 - .52
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.55 - —
Potato, dom., bgs., c.l.....lb. .0585- —
l.c.l.....lb. .0710- —
import, bgs.....lb. No prices
Rice, bgs.....lb. .09 - .10
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls.....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .09½- .10
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.80 - 1.85
Stramonium leaves, bls.....lb. .45 - .50
Strontium bromide, cns.....lb. .52 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .20 - .22
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .18 - —
l.c.l., 10 or over.....lb. .19 - —
less than 10.....lb. .20 - —
Sulfaguanidine, 3.5-gm. bot..doz. 3.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —

Sulfapyridine, powd., for hospitals, 5-gram bots..ea. .50 - —
Sulfathiazole, 5-gm., bot.....ea. .42 - —
Sesquicarbonate, 5-gm. bot....ea. .42 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
Sulphur, flowers, USP, bgs., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Flour, comm'l, bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
USP, bbls., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mines..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine...100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Chloride, 55-gal. dms., c.l....lb. .06 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l.....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works.lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls, works..lb. .15 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls, No. 1.....lb. .08 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06¾- .07¼
medium, bgs.....lb. .06 - .06¼
poultry, Argentine.....lb. .05 - .05½
Superphosphate, run-of-pile, bulk, f.o.b. cars, boat, Baito..ton. 9.50 - —
guaranteed 16%, bulk, same basis...ton.10.00 - —
20%, bulk, same basis....ton.12.00 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 90-94%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Aluminum, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills..ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs., ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .08 - —
special, loose.....lb. .07¾- —
sulphonated, 85% (24% fat), dms., c.l..lb. .05 - —
l.c.l.....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06¼- —
l.c.l.....lb. .07½- —
50% (48% fat), dms., c.l..lb. .07 - —
l.c.l.....lb. .08 - —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs.....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 3.75 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 3.25 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 4.25 & .10
high-grade, bulk, Chicago, unit-ton. 4.50 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments, unit-ton. 4.00 Nom.
Tansy leaves, bls.....lb. .20 - .28
Tapioca flour, bgs.....lb. .05 - .06½
Tar acid oil, 15%, dms., c.c., works..gal. .22 - .24
l.c.l., same basis.....gal. .24 - .26
25%, dms., c.l., works....gal. .25 - .27½
l.c.l., same basis.....gal. .27 - .29½
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports.....gal. .26 - —
l.c.l.....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.20 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .44¾- —
less than 5.....lb. .45 - —
USP, powd, bbls.....lb. .50 - —
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bbls., dms.....lb. .60 - .65
Terpineol, CP, cns.....lb. .30 - —
dms.....lb. .27 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08¼
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, 5-lb. cns.....lb. 2.00 Nom.
Sodiosalicylate, dms.....lb. 2.05 - —

Thiamine hydrochloride, bots., cns. gram. .65 - .90
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .65 - .67
Spanish, bls.....lb. .20 - .21
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).
Tin, chloride (ous), anhyd.....lb. .48½- .49
Crystals, bbls., bgs.....lb. .39½- .40
Metal, Straits.....lb. .53¾- —
Oxide, bbls.....lb. .55 - .57
Tetrachloride, anhyd., bbls..lb. .29½- —
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15¼- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15¼- —
50-999 lbs.....lb. .15½- —
non-chalking, bgs., c.l. (20 tons), lb. .16½- —
l.c.l., 5 tons, single delivery, lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery, lb. .17 - —
1,000-9,999 lbs.....lb. .17¼- —
50-999 lbs.....lb. .17½- —
chalk-resistant, bgs., c.l., (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15¼- —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15¾- —
bbls., c.l. (20 tons).....lb. .15¼- —
l.c.l., 5 tons, single delivery, lb. .15½- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l.....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l.....lb. .06½- —
calcium base, bgs., c.l. (20 tons), lb. .05¼- —
l.c.l.....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l.....lb. .06 - —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l.....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05½- —
l.c.l.....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. .85 - .95
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28¼- —
Tonga vine, F. bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs....lb. .70 - .85
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l. frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks.....lb. .07½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08¼- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld., lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O. Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40¼- .51½
dms., c.l., dlvd.....lb. .37½- —
Tricresylphosphate, tech., dms..lb. .25 - —
500 lbs., dms.....lb. .25½- —
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 99% dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices

Soda, Sesquisil.—War, Sperm.

Turmeric root, Alleppey, bgs..lb. .08¾- .09¼
Madras, bgs.....lb. .07¼- .08
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .57 - —
l.c.l., 10 ex dock.....gal. .59 - —
5 ex dock.....gal. .61 - —
wood, dest., dist., dms., dlvd. E. ports..gal. .33 - .35
tanks, dlvd. E cities....gal. .28 - —
steam-dist., dms., c.l., dlvd.gal. .50 - —
l.c.l., dlvd.....gal. .53 - —
tanks, dlvd.....gal. .45 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
l.c.l., f.o.b. Belle, W. Va., ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports .....ton.57.40 - —
Urea - ammonia liquor, basis, 45% N., tanks, f.o.b. Belle, W. V., or Atl., Gulf ports, ton.121.86 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.127.00 - —
Uva ursi leaves, bls.....lb. .16 Nom.

V

Valerian root, Belgian, bls....lb. .95 - 1.00
Eastern, bls.....lb. .35 - .37
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb.11.00 Nom.
Mexican, tins.....lb.10.50 Nom.
cuts, tins.....lb. 9.50 Nom.
South American, tins.....lb.10.50 Nom.
Tahiti, tins.....lb. 5.25 - 5.50
Oleoresin, bots.....lb.20.00 -20.25
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 80,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree.....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.41.00 -43.00
Extract, solid, bgs.....lb. .0460-.04475
liquid, tanks.....lb. .05 - —
bbls.....lb. .05¾- —
Wax, amorphous, group 3, at refineries: 160-165, amber, lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .26 - —
180-185, amber.....lb. .17½- —
180-185, black.....lb. .16 - —
180-185, white.....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .46 - .47
cake, cs.....lb. .47 - .48
discs, cs.....lb. .48 - .49
yellow, crude, Africa 10-g. lots..lb. No stocks
1 bg.....lb. No stocks
Brazil, bgs.....lb. No stocks
refd., slabs, cs., lbs.....lb. .41 - .42
Candelilla, bgs., 1 ton.....lb. .23½- .24
jobbing lots.....lb. .24 - .24½
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .77 Nom.
5 bgs.....lb. .77½ Nom.
1 bg.....lb. .78 Nom.
N. C., 2, bgs., 1 ton.....lb. .80 Nom.
N. C., 3, bgs., 1 ton.....lb. .74 Nom.
5 bgs.....lb. .74½ Nom.
1 bg.....lb. .75 Nom.
refined, bgs.....lb. .78 - .80
yellow, No. 1, bgs., ton....lb. .78 - .79
5 bgs.....lb. .78½- .79½
1 bg.....lb. .79 - .80
No. 2, bgs.....lb. .76 - .77
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .12½- .13
jobbing lots.....lb. .13½- .14
150°-160° m.p., bgs., 1 ton..lb. .14½- .15
jobbing lots.....lb. .15½- .16
160° m.p., bgs., 1 ton.....lb. .15½- .16
jobbing lots.....lb. .16½- .17
Japan, cs.....lb. .19 - .20
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ouricury, refined, bgs.....lb. .28 - .30
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 73°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26

White Lead—Zirconium

White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.84 - —
Whiting, chalk, com'l, dry-grd.,
bip. bgs., c.l., works.ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., bip. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, bip. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works.ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, bip. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, bip. bgs., c.l., works, ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air-floated, 99.75%, 250 mesh, paper bgs., c.l., ton.10.10 - —
200 mesh, paper bgs., c.l., same basis..ton. 9.35 - —
90%, 200 mesh., paper bgs., c.l., same basis..ton. 7.00 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works...ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF tax extra, bbls..gal. .44 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. .60 - .65

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .39 - —
3°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, crystal., cns.....lb. 1.45 - 1.50
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .52 - .55
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .18 Nom.
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis.lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., divd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½ - —
Chrome yellow CP prices are divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher divd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.87 - —
smaller lots.....lb. 2.89 - —
Ocher, Amer., golden bbls., works..lb. .04½- .06¼
yellow, bbls., works....lb. .02 - .02¼
French type, bbls., c.l....lb. .0345- —
l.c.l. .....lb. .0365- —
French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import, lb. .02475 Nom.
New York (f.o.b.)..lb. .02¾ Nom.
Philadelphia, for import..lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto., Boston, N. Orleans..lb. .02375 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, San Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02¾ Nom.
from whse.....lb. .03½ Nom.
Yellow, oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works...lb. .06¾- —
l.c.l., same basis.....lb. .07 - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .17½- —
open order.....lb. .17½- —
Navy specifications type, contracts..lb. .17½- —
open order.....lb. .17½- —
Yellow dock root, dom., bls....lb. .15 - .20
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, viz..oz. 3.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., divd..lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....fb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran, dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works...100 lbs. 5.75 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
solut., 50%, dms., c.l., works, lb. .0290- —
l.c.l., works.....lb. .04 - .04¼
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - .35
Dust, bbls., c.l., divd.....lb. .09¼- —
l.c.l., bbls., divd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.54 - —
jars .....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, com'l., lead free, bgs., c.l., divd..lb. .06½- —
l.c.l., divd.....lb. .06¾- —
bbls., c.l., divd....lb. .06¾- —
l.c.l., divd.....lb. .07 - —
leaded, 5%, bgs., c.l., divd. lb. .06⅜- —
l.c.l., divd.....lb. .06⅝- —
bbls., c.l., divd....lb. .06¾- —
l.c.l., divd.....lb. .06⅞- —
35%, bgs., c.l., divd....lb. .06 - —
l.c.l., divd.....lb. .06¼- —
bbls., c.l., divd....lb. .06¼- —
l.c.l., divd.....lb. .06½- —
50%, bgs., c.l., divd....lb. .06 - —
l.c.l., divd.....lb. .06¼- —
bbls., c.l., divd....lb. .06¼- —
l.c.l., divd.....lb. .06½- —
French process, com'l, lead free, bgs., c.l., divd..lb. .06½- —
l.c.l., divd..lb. .06¾- —
bbls., c.l., divd..lb. .06¾- —
l.c.l., divd..lb. .07 - —
green seal, bgs., c.l., divd., lb. .08¼- —
l.c.l., divd.....lb. .08½- —
bbls., c.l., divd..lb. .08½- —
l.c.l., divd.....lb. .08¾- —
red seal, bgs., c.l., divd.lb. .07¾- —
l.c.l., divd.....lb. .08 - —
bbls., c.l., divd.....lb. .08 - —
l.c.l., divd.....lb. .08¼- —
white seal, bgs., c.l., divd. lb. .08¾- —
l.c.l., divd.....lb. .09 - —
bbls., c.l., divd..lb. .09 - —
l.c.l., divd.....lb. .09½- —
Zinc, oxide imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse., lb. No prices
white seal, cks., ex whse..lb. No prices
USP, l.c.l., 50-lb. ctns., 50-lb. dms..lb. .10 Nom.

Lead-free and 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb. higher ex whse. Pac Cst.; 50% leaded is 5.6c. per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., divd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., one ton..lb. .27 - —
smaller lots.....lb. .28 - —
USP, bbls.....lb. .25 - .27
Sulphate, cryst., bgs., c.l., 100 lbs. 3.40 - —
l.c.l. .....100 lbs. 4.15 - —
bbls., c.l.....100 lbs. 3.85 - —
l.c.l. .....100 lbs. 4.40 - —
flake, bgs., c.l.....100 lbs. 3.80 - —
l.c.l. .....100 lbs. 4.55 - —
bbls., c.l.....100 lbs. 4.05 - —
l.c.l. .....100 lbs. 4.50 - —
powd., bgs., c.l.....100 lbs. 5.35 - —
l.c.l. .....100 lbs. 6.10 - —
bbls., c.l.....100 lbs. 5.60 - —
l.c.l. .....100 lbs. 6.35 - —
Sulphide, bgs., c.l. (20 tons), divd..lb. .07¾- —
l.c.l., divd.....lb. .08 - —
bbls., c.l., 20 bbls., c.l., (20 tons), divd..lb. .08 - —
l.c.l., divd.....lb. .08¼- —
barium, pigment, bgs., c.l., divd..lb. .05¼- —
l.c.l., divd.....lb. .05½- —
calcium pigment, bgs., c.l., divd..lb. .05¼- —
l.c.l., divd.....lb. .05½- —
magnesium pigment, bgs., c.l., divd..lb. .05¼- —
l.c.l., divd.....lb. .05¾- —

Car lot prices are ½c. higher delivered Pac. Cst. and less car lot prices are ½c. higher ex whse. Pac Cst.

Sulphocarbolate, NF, bbls., dms..lb. .24 - .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.35 - —
Zinc-iron oxide, pigment, bgs., c.l., divd..lb. .05¼- —
l.c.l., divd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, grs., bbls., works..ton.75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the July 7 issue; the next printing will be in the August 4 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 41.

Paint Materials Situation

—Continued from page 5

into three general classes:—American process leadfree, French process, and leaded. As a result of the increased tempo of American business in all lines, naturally the requirements of zinc oxide of all types have increased. Leaded zinc oxide is used primarily by the paint industry. For instance, in the year 1940 out of a total production of 45,000 tons of leaded zinc oxide, this industry consumed 44,000 tons. With the American process leadfree zinc oxide the distribution is quite different. In 1940 this country produced about 113,000 tons. However, 70,000 tons of it went to the rubber industry, paint consuming only 23,000 tons or about half as much leadfree as leaded. Since the first of January, 1941, there has been a tremendous expansion of production in the rubber industry, and the present annual consumption rate of the rubber industry has probably jumped to possibly 90,000 tons instead of 70,000 tons, last year. There also has been great increases in other industries using leadfree zinc oxide, such as floor covering, ceramics, etc., so that the picture at present, notwithstanding the fact that there has been a substantial increase in the production of American process zinc oxides as well as leaded, would indicate that for the present at least there is not sufficient available to cover all the requirements for defense purposes as well as civilian use.

On top of this England, who has been the principal supplier of zinc oxide to Canada, Australia, South Africa, and other remote parts of the British Empire, apparently is not in a position to maintain this supply. So we are faced with the necessity of assuming part of this burden in addition to our own domestic demands. In England, I am informed, that because of their own great need for metallic zinc, they have curtailed their own production of zinc oxide by possibly as much as 50 percent. As a result of this they have very largely eliminated the use of zinc oxide in their own paints, and have substantially curtailed its use in rubber products. So from what I have just said, you will understand that notwithstanding the fact that American zinc oxide producers, with the exception of the French process grades, have greatly increased their production, the requirements from all types of business in this country plus the increased demands that may be thrown upon us to supply Canada, brings about a situation wherein for the present at least, it is quite necessary that some control be exercised over the distribution of the available production. First of all, the government will see to it that zinc oxide required for defense purposes, will be secured. What is left will be divided as equitable as possible for civilian use, and in this I expect OPACS may take a hand.

Of course, our costs have risen in times such as these. Labor rates are higher and practically all elements of our costs have gone up. The zinc industry has endeavored to avoid raising prices, and there has been no change in zinc oxide prices since October 1, 1940, when only a slight advance occurred. During the last war we did not get price ceilings on commodities until late in the war. Consequently prices of many things advanced rapidly and drastically, and these price advances had the effect of curtailing consumption. The price of common zinc rose to over 30 cents per pound. Highgrade zinc slab, 40 cents. These prices automatically curbed consumption in non-essential uses and acted as a break on the total amount required. This time the government is following a different system and one which I think is wiser and safer, in trying to curb runaway prices; but by so doing we have lost the break on consumption and for the price break another method has to be substituted and that is mandatory control of distribution.

Our government has issued an order dealing with zinc oxide, effective July 1. Under the terms of this order all producers in this country will be required to contribute a certain percentage of their monthly production to a government pool of zinc oxide. For the month of July this percentage is 10 percent. The zinc oxide in this pool will be allocated directly by OPM, and producers will be told to whom to ship it. That, of course, reduces our available free supply by a similar amount, and this balance is subject to priorities and such rules and regulations as may be designed by OPACS for civilian requirements.

Consequently I believe you can appreciate how difficult it is for any producer to definitely commit himself to any customer as to what he can do in the next thirty or sixty days. The problem at present is one of supply. Producers are increasing their capacity as rapidly as possible and with the control that will be exercised over distribution, legitimate consumers engaged in essential businesses should be able to receive their proper requirements. Inventory control of zinc oxide will become effective July 1. No one will be permitted to hoard or stock unreasonable quantities of zinc oxide. The rubber industry who are the principal users of lead-free zinc oxide will themselves shortly become subject to regulations as far as crude rubber is concerned. This possibly may have the effect later on this year, to curtail that industry's consumption of zinc oxide. In my opinion the next few months are apt to witness the greatest stringency as far as zinc oxide is concerned. After the government pool and distribution plans have had a chance to work for a month or two, it will naturally function smoother and we will all obtain a better picture of the probable future requirements. Thus with the increased zinc oxide production which is now largely in operation, and the possible curtailment of zinc oxide consumption in some of the industries, may result in a more proper balance between supply and demand than exists at the moment.

In concluding, my suggestions are that you work in as close cooperation as you can with your supplier; give him your true picture, because I find that in the long run honest, frank understanding between supplier and customer does much in eliminating difficulties and misunderstandings. Also work very closely in touch with your own association and committees thereof, who are spending much time and study right now in the

—Continued on page 40

Aerosol* Wetting Agents

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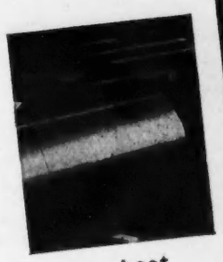
METAL CLEANING



One manufacturer reports an excellent cleaning mixture for rolled sheet aluminum can be made with one part AEROSOL OT 100% and 99 parts of toluol. Heretofore it has been practically impossible to clean aluminum properly, particularly for coating with clear lacquer as the palm oil that remains in the sheet after rolling prevented the lacquer from adhering, or caused the lacquer to peel badly. The degreasing action of this AEROSOL solution will prevent this from happening.

STERILIZATION

By adding a small percentage of AEROSOL OT to the chlorine and water mix used to sterilize wheat, better spreading qualities and, therefore, more efficient sterilizing action is now possible. The wheat is not ground until it is wet with this mix. Milling companies interested in applying the advantages of AEROSOL OT to the sterilization of grains and similar bulk foodstuffs should write to Cyanamid for additional information.

ELECTROLYSIS

Operators of electrotyping, electroplating and electrolytic refining plants may find in AEROSOL Wetting Agents the source of improved results by these processes. The use of an AEROSOL Wetting Agent helps to provide a better contact on or under the mold . . . improves tinning action with soldering fluxes and pastes. AEROSOL OT is also used for rinsing plated work to reduce spotting . . . and, in "wet leading," sustains the wetting action of the graphite solution.

Oil, Paint and Drug Reporter

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Ceiling or Cellardoor

It is predicted that legislation designed to keep prices from being excessively boosted will be before Congress this week. There is already in Congress a measure (H.R. 5032 and S. 1613), backed by the War Department, which approaches the same objective from an opposite direction.

Most of the talked-of legislation would place a ceiling over prices. The pending measure would open a cellardoor to the pulling out of props under an elevated price structure by permitting importation free of duty or tax of any commodity or article which might be certified by a governmental department or agency to be a "defense article." Under such broad definitions as make the same term in the lend-lease act embrace such things as rosin and corn, it must be expected that the effects of the proposed import exemptions would be tantamount to a suspension of the tariff act.

In its present form the free imports bill is vaguely expansive in its application. This may be intentional, because there is a clear administrative purpose to prevent price inflation in a general sense and a collateral intention not to hinder the farmer in profiteering. So, the cellardoor method has obvious advantages over the ceiling method.

In respect of this attempt and of any other of whatsoever sort to overlay prices or to undermine them, it must be kept clearly in mind that there is a large and serious anachronistic fault in such economic declarations as that recently of a dairy organization:—"No war has ever been waged on a low price policy for commodities"; or that of a chamber of commerce commentator:—"When a nation takes either the profits or the wages out of war, it also tends to take the victory out of war." Persistence in such beliefs and in the price practices which already have sent at least the army abroad in its buying indicates a complete missing of the significance of the novelty of investigating racketeering and political grafting and other customary concomitants of war now instead of postponing such action until the public has become calloused to the cost of a war that is over.

Business Must Be Relocated

To those who have observed the changing, passing scene of the past year from the sidelines and objectively, there is nothing astonishing in the pronouncement of the OPACS director a week ago with reference to the imminent future:—

It is a picture of factories made idle by lack of raw materials to turn out civilian goods; of men made idle by lack of materials to work with; of single-industry towns blighted by a spurious prosperity based on production of goods that we can't wear, or eat, or live in.

To open-eyed, open-minded observers the only wonder of that pronouncement is that it did not issue from business itself a year ago. That wonder fades when consideration is given to the slight extent to which business was informed with respect of its capacities and of its resources —and even today there is a strong feeling in business against making out statistical records and filing them where their benefits could be got. Business can't be as usual, say now many commenters on matters economic; there must be dislocation; and recovery will be difficult to the verge of impossibility—and beyond that for some.

These things were obvious at least as long ago as the enactment of the lend-lease law. They have become unmistakably plain in those four months. And yet but little has been done to contrive a painless, albeit for a time uncomfortable, relocation of business and to avoid the disaster of a dislocation which threatens close and heavy.

Must there be "factories made idle by lack of raw materials to turn out civilian goods"? An affirmative answer to that query speaks not well of the vaunted ingenuity and progressiveness of this country's industry and science. If those attributes be actual—and there is strong evidence that they are—is not a relocation of factories practicable in work for civilian consumption and in work, perhaps subcontracted, for defense? And will it not be effected? Some measure of promise—yes, of hope—there is in the OPM booklet, Subcontracting for Defense; some information too of timely usefulness.

Even though some factories may not be adaptable to new materials and new products, is it inevitable that there shall be "men made idle by lack of materials to work with"? There is no dearth of materials. There is no incontrovertible reason why these materials cannot usefully be put into men's hands. Much talk there is of lack of skilled men —a lack resulting in no small part from the unconstitutional imposition by labor autocrats of exorbitant premiums on the right to work. There are men; and there are skills to which they can be fitted to use the materials of today in the production of goods for tomorrow. It is the duty of business to relocate itself on that basis. Today's war—or defense—economy is not that of twenty-five years ago. Failure to recognize this fact—and such failure is widely evident—can and will mean only dislocation which will cripple and can wholly incapacitate.

—O-P-D—

Materials, Products, Markets

In the relocating of industrial processes and objectives which is acquiring the appearance of necessity in the avoidance of a calamitous debacle, chemistry and engineering must take the major parts. They must functionally serve as sciences of discovery and as professions of application: chemistry with respect to materials, and engineering with respect to products for civilian consumption. Chemistry must work with agriculture, with mineralogy, and with metallurgy. Engineering must have the assistance of practical economics.

Chemistry has already found and demonstrated a number of materials providing relief from enforced shortages Substitutes for rubber have been developed. The drying properties of available oils have been increased. The softening qualities of olive oil in textile processes have been duplicated with domestic materials. Laminated sheets of wood and plastics are proving superior to metallic sheets in various uses. Plentiful domestic minerals, sometimes deficient in quality or different in characteristics, are being made useful substitutes for those curtailed in world commerce. Metallic wastes are being returned to usefulness through progressive chemical and physical conversions. Metallurgy, especially in its newer, powder processes, is contributing substantially to the solution of the materials problem. It may confidently be expected that the present era of paucity or worse will devise a technology under which no rock will be valueless and no tin can, no glass bottle will lie in disuse on a dump.

Revised formulation will ease for the paint manufacturer the pinch of defense demands for certain metals. Someone will discover the "vulcanization" of the latexes of *Apocynum, Asclepias,* and other weeds. Selective and particularly effective insecticides will be provided, and horticultural protectives which will minimize the damage of various pests and not be toxic to human beings. The palm oils of Latin America should not be difficult to industrialize. There are abrasive minerals, calcareous and siliceous, in a thousands hills waiting for grinding. There is a need for a phytocide that will eradicate acquatic vegetation but not kill fish. Beneficent would be the further development of rooting-promoters which will make possible the identical reproduction of desirable plant strains. Today's cacao wastes need readjustment of the process from which they come or that through which they go, in order that the output of theobromine may be increased.

There are a thousand things to be done for civilian needs and ten thousand materials, not required for defense, adaptable to their doing. New materials, new products, new markets—these are the important elements of the economy of today and tomorrow. To find the first, to provide the second, and to develop the third — these are the important, the imperative tasks for business.

—O-P-D—

Soon You'll Know More

You will have a great deal more information on a number of timely matters a few weeks hence. In fact, you may get this beneficence within a week.

Mainly this useful information will have to do with sources of materials you need in your business. Of course, you get information on new materials and potential substitutes every week in OPD (see pages 56 and 63). Combined, the two sources will enable you to be wise indeed.

The other source will be the new Green Book now being mailed. Be patient, please; you'll get yours shortly.

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Chas. Pfizer & Co., Inc.—ONE of the TWO still existing charter members of the Manufacturing Chemists Association of the United States (Founded 1872) — continues to pioneer today.

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Heavy Chemicals

A Restricted Selling Policy Prevails as Supplies Tighten —Acetic Anhydride Follows Advance in Acetic Acid Prices —One Producer Raises Flake Calcium Chloride Packings

A restricted selling policy prevailed in the market for most heavy chemicals last week. With the situation growing tighter for many basic products, sellers were exercising more caution than ever in limiting transactions to regular contract consumers for normal needs. Bookings on several chemicals were made solidly through the remainder of the year, and producers were unable to accept new business. While some consumers resorted to obtaining priorities in an effort to get materials, in many cases it was impossible to secure the required amounts because of the prevailing shortages.

One producer advanced prices on flake calcium chloride in carload lots packed in burlap paper-lined bags and drums because of the higher replacement costs of these packings. No change occurred in the regular paper bag price for flake or in the less than carload schedule. The solid material remains at the same levels.

Prices for acetic anhydride were advanced, reflecting to a large extent the upward revision in the schedule for acetic acid a short time ago. The market experienced a tightness similar to the basic material.

Alums.—Business usually confined to regular accounts. Market firm.

Alumina Hydrate.—Prices display firmness, and inquiries steady.

Ammonia, Anhydrous.—Market tight, business allocated as a rule.

Ammonia, Aqua.—Business held at active levels, and market position firm.

Ammonia Bicarbonate. — Transactions remain routine. Prices underwent no change.

Ammonia Bifluoride.—Offerings limited and prices retain their firmness.

Ammonia Nitrate.—Output well absorbed in defense work. Prices rule firm.

Ammonia Phosphate.—Selling restricted and market position tight. Prices firm.

Ammonia Silicofluoride. — Supplies short and deliveries lagging. Prices firm.

Ammonia Sulphocyanide.—Domestic production adequate to supply needs. Prices unaltered.

Ammoniac, Sal.—A steady interest prevailed. No change disclosed in the prices.

Antimony. — Domestic spot metal unchanged. Inquiries steady.

Antimony Oxide.—Shipments moved well against contracts. Prices firm.

Arsenic.—Steady movement of white material. A firm tone characterized the trading.

Barium Salts.—A good demand continued for carbonate, chloride, hydrate and nitrate. The general position was tightening, and prices firm.

Bleaching Powder. — Sellers held business to regular contract consumers for normal needs. Pricewise a firm tone predominated.

Calcium Acetate.—Market short. No further change occurred in the prices.

Calcium Carbide.—Active inquiry, and market position held firm.

Calcium Chloride.—Demand good. One seller advanced car lot prices for flake $2.50 in burlap paper-lined bags and $3.50 per ton for drums over paper bag price. No change for less car lots.

Carbon Tetrachloride.—Market continues short, sellers far behind in shipments. Prices firm.

Chlorine.—With defense needs expanding, a strict allocation policy was followed. Prices without change.

Cobalt Oxide. — Sellers supplied regular consumers with normal needs. Prices unchanged and firm.

Copper—Market awaits new allocations. Primary producers continue to allocate on an 80 percent basis at the regular 12c. per pound level, while custom smelters quote 12½c. per pound.

Copper Salts.—Business remains on pro rated basis. Prices firm.

Copper Sulphate.—Major producers well booked ahead. Demand active. Prices firm.

Price Changes

Advanced

Acetic anhydride, 1c. per lb.
Calcium chloride, flake, burlap bags, c.l., $2.50 per ton.
drums, c.l., $3.50 per ton.
Tin, tetrachloride anhy., 1c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
163.8	**163.8**	**161.9**	**151.4**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
108.7	**108.7**	**102.2**	**101.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Potash Chlorate

A sharp falling off in imports since the start of war stimulated domestic production of potash chlorate. About the middle of 1940, when imported material became more difficult to obtain from such countries as France, Germany, Sweden and Switzerland, domestic output was materially stepped up. Currently production is estimated at about 600 tons per month, which is adequate to supply needs of regular consumers here.

Potash chlorate, which finds its principal use in the manufacturing of matches, fireworks, percussion caps and explosive powders, has been placed on the critical priorities list, and is also subject to an export license. Most of the export business was confined to imported material from Japan and Russia entering the country in bond and reexported.

In 1939 imports from Europe and Japan totaled 11,627,407 pounds and dropped to only 3,164,221 pounds in the 1940 year. Shipments in the first quarter this year were 110,390 pounds, most of which emanated from Japan, contrasted with 2,199,596 pounds in the like quarter a year ago.

Prices have advanced moderately to the regular trade since the war. The powdered material in August 28, 1939, sold at 8½c. per pound, and is now quoted at 9¾c. per pound. However, quotations in the export market jumped to as high as 50c. per pound.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Fluorspar.—A tighter situation was evident, and prices stabilized at the higher levels.

Glauber's Salt.—Offerings confined to regular consumers as market continued in tight position.

Lead Acetate.—A firm tone governed the dealings. Market tight.

Lime. — Withdrawals steady. No new price developments occurred, and tone firm.

Magnesite.—Brisk inquiry, with offerings restricted. Prices rule firm.

Magnesia Chloride. — Prices unchanged and firm, with business limited.

Manganese Dioxide. — Shipments moved steadily against contracts. Prices lacked change, with tone firm.

Nickel Salts.—Priority ruling on nickel restricts output and business continues on pro rated basis.

Phosphorus.—Domestic demand sufficient to absorb available output. Market tight. Prices firm.

Potash Carbonate.—Shipments move steadily to regular consumers on contracts. Prices failed to change.

Potash, Caustic. — Market position continued tight, and demand steady. Prices remain firm.

Potash Cyanide. — Good inquiry. Pricewise a firm tone prevailed.

Potash Permanganate. — Production allocated among regular consuming trade. Prices firm at recently established levels.

Salt.—Inquiries and shipments remain at high levels. Prices display firmness.

Saltcake.—Domestic output moving direct to consuming channels. Prices rule firm.

Saltpeter.—A broad demand remained in evidence, while prices were firm.

Soda Acetate.—Active inquiry, with supplies limited. Prices unchanged and firm.

Soda Ash.—A good volume passed against contracts. A firm tone characterized the market.

Soda Bicarbonate.—Shipments moderately active. No change disclosed in the prices.

Soda Bifluoride. — A tight position was prevalent, and selling limited. Prices firm.

Soda Bisulphite.—Market firm, and shipments moved steadily.

Soda, Caustic. — A broad buying movement continued, and a firmer price tone prevailed.

Soda Chlorate. — Business confined to regular consuming channels. Prices remain firm.

Soda Cyanide.—Inquiries and shipments active. Prices underwent no alteration.

Soda Fluoride. — Demand steady. Prices firm at the higher levels.

Soda Hydrosulphite. — Business restricted. Prices without change.

Soda Metasilicate.—A good interest prevailed. Prices remain firm.

Soda Nitrite.—Brisk inquiry. Nothing new occurred in the prices.

Soda Phosphate.—Market tight, with shipments confined to regular consumers for normal requirements.

Soda Silicate. — Shipments moved well against contracts. Pricewise a firm tone prevailed.

Soda Silicofluoride.—Spot offerings small, and market continues in short supply.

Soda Stannate. — Price unchanged ranging from 34c. to 37c. per pound. Demand steady.

Soda Sulphate, Anhydrous.—Tightness continues, with business restricted. Prices firm.

Soda Sulphide. — Shipments confined to regular contract accounts. No change took place in the prices.

Sulphur, Refined. — An active demand was evident for commercial grades. Prices unchanged and firm.

Tin Salts.—Anhydrous tetrachloride of tin advanced 1c. at 29½c., reflecting higher production costs rather than any sharp rise in Straits metal, which was quoted at 53c. per pound. Other tin derivatives remain firm.

Zinc Sulphate. — Shipments moved steadily to regular contract trade. Prices firm.

Acids

Following the advance in acetic acid prices, and upward adjustment occurred in acetic anhydride in the market for acids. Acetic continued in short supply, with sellers allocating available supplies among regular consumers for normal requirements.

—*Continued on page* 34

Chemical Industrialists Named to OPM Posts

OPD Washington Bureau
July 17, 1941

R. H. Webb-Peploe, of the Lever Brothers Company, soap manufacturer, Cambridge, Mass., has been appointed assistant chief of the Bureau of Clearance of Defense Industry Advisory Committees in the Office of Production Management. He is on temporary leave from his company.

Richard Wells, of the Freeport Sulphur Company, New York, has been appointed by Sidney J. Weinberg, chief of the clearance bureau, as a member of his staff. Mr. Wells also is on temporary leave from his usual duties.

Chemical Warfare Service Calls Dr. J.E. Zanetti

Dr. J. Enrique Zanetti, professor of chemistry and director of the chemical laboratories in Columbia University, has been called to active duty as colonel in the Chemical Warfare Service.

Dr. Zanetti, an authority on incendiaries, served with the A.E.F. during the first World War. He entered the United States Army in 1917 as captain in the ordnance department. In the A.E.F. he was assigned to the gas service. When the Chemical Warfare Service was organized in 1918, he was transferred to it, becoming major, and later, lieutenant colonel.

He was decorated with the Distinguished Service Medal (U. S.), the Distinguished Service Order (Great Britain), and the Legion of Honor (France), and was made an officer of the order of the Crown of Italy. In 1922 he joined the organized reserves as lieutenant colonel, and in 1926 was promoted to colonel.

Westinghouse to Enter Glass Making Field

Fairmont, W. Va., July 18, 1941

The Westinghouse Electric & Manufacturing Company, Pittsburgh, will enter the glass manufacturing industry, with construction of a glass plant here at a cost of $1,800,000. The plant scheduled to be completed next May, will adjoin the company's $3,000,000 fluorescent plant, largest of its kind in the world, which will be dedicated August 2. The glass plant will produce glass tubing for all Westinghouse fluorescent lamps and the small glass stems for incandescent lamps.

U.S. Anhydrous Ammonia Plant to Cost $31,488,000

OPD Washington Bureau
July 14, 1941

The War Department today supplemented its original contract with E. I. du Pont de Nemours & Co., Wilmington, for construction of an anhydrous ammonia plant in Morgantown, W. Va. This supplement brings the total estimated cost of the plant to $31,448,000, of which $20,700,000 is for equipment.

Standard Container Buys Rockaway, N. J., Plant

Standard Container, Inc., Bloomfield, N. J., has purchased the Liondale Bleach, Dye & Print Works plant at Rockaway, N. J. The buildings have an area of 250,000 square feet. W. M. Vogel, president of the company, said that the Bloomfield plant was operating at capacity on regular commercial lines. The second plant was purchased to fill defense contracts.

Abrasive cloth (aluminum oxide) Federal specification has been amended as P-C-451 effective October 1. The amended specification can be procured from the Superintendent of Documents, Government Printing Office, Washington, at 5 cents a copy.

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Heavy Chemicals

Acids

—*Continued from page 33*

Chromic output will be influenced by the priority placed on chromium, and sellers made offerings to regular trade only. A tight situation prevailed in formic and oxalic. Nitric and muriatic were in active demand. A heavy withdrawal against contracts continued for sulphuric, and sellers were not able to book any new business.

Acetic.—Market in short supply, offerings allocated. Prices firm.

Acetic Anhydride.—Price advanced 1c. making drums, car lots 11½c. and less car lots 13c. per pound. Market position tight.

Battery.—Commitments steady. Prices retain a firm tone.

Chromic.—Output restricted by priority on raw material, and offerings confined to regular trade. Prices firm.

Formic.—Tight situation continues, business restricted. Prices firm.

Gallic. — Business moderate, and prices firm at higher levels.

Hydrofluoric.—Market position firm, and buying steady.

Lactic.—Good inquiry. Pricewise a firm tone prevailed.

Mixed.—Shipments active against contracts. Prices rule firm.

Muriatic.—Active demand. Prices unchanged and firm.

Naphthenic.—Supplies absorbed by usual consumers, and prices nominal.

Nitric. — Inquiries and shipments heavy. Prices firm.

Oxalic.—Market tight, offerings continue limited. Prices remain the same.

Phosphoric.—Steady demand, with market in strong position.

Sulphuric.—Withdrawals active against contracts, with sellers limiting new business. Prices lacked change and tone was firm.

Baltimore, July 16.—While the talk about an advance in the quotations of sulphuric acid continues, the contracts for supplies around $12 per ton for 60 degree and at $15 per ton for 66 degree supplies must be filled, and holders of contracts are taking all of the product they can obtain. According to current reports there is no free acid to be obtained, with regular buyers adding to their requirements whenever they can and absorbing the output. Oleum also is still being supplied nominally at $17 per ton.

Insecticides

Seasonal influences tempered the demand for various agricultural insecticides and fungicides last week. The heavy consuming period has passed for many materials such as lead arsenate and paradichlorobenzene. A satisfactory movement of calcium arsenate was underway in the Southern area. The market underwent no new price developments, and the tone remained firm.

Calcium Arsenate. — Call moderate. Prices underwent no alteration.

Lead Arsenate. — Market continued to follow a normal seasonal trend. Prices remain firm.

Paradichlorobenzene. — A fair inquiry prevailed. No change developed in the prices.

C. S. A. Golf Winners

Winners at the golf tournament of the Salesmen's Association of the American Chemical Industry, held at the Plandome Country Club, Plandome, L. I., July 8 were:—

Low gross, class A, G. S. Furman, of Merck & Co.; class B, C. W. Frost, of the Prior Chemical Corporation; class C, T. F. Callahan.

Low net, class A, John C. Leppart, of the Columbia Alkali Company; second, L. Huchins, of the Commercial Solvents Company; class B, W. L. Mason; second, J. P. Remensnyder, of the Heyden Chemical Company; class C, Robert T. Reid; second, J. J. McInnes, jr., of the Commercial Solvents Company. Members kickers, Robert J. Quinn, of the Mathieson Alkali Works, and W. D. Merrill, of Joseph Turner & Co.; W. J. Weed, of the Niagara Alkali Company, and E. W. Haley, of the Southern Alkali Corporation. High gross, members, J. Burgess, and door prize, T. J. Starkie, of Wishnick-Tumpeer, Inc.

Guests, low gross, B. Eakins; low net, R. J. Perry; kickers, H. Hutton.

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To manufacturers faced with these and other problems which involve chemicals or the application of chemicals, Du Pont offers the assistance of its Technical Service staff.

With our background of experience and research, we may be able to suggest possibilities you have not yet considered. Perhaps we can supply technical information to help you find suitable new materials or methods. The results of research in unrelated fields may have an unexpected bearing on your specific problem.

Naturally, there are situations where little or nothing can be done at present. When in our opinion such a condition exists, we will frankly tell you so.

And when this period of unusual stress is past, the skill and competence acquired during 139 years of Du Pont chemical research will still be available to assist you in readjusting your program to normal requirements.

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Wilmington, Delaware

Price Legislation To Be in Congress Soon

—Continued from page 3

ley, majority leaders of the house and senate, respectively, and Mr. Henderson.

Meanwhile, Senator John Bankhead of Alabama said that the congressional cotton bloc would strongly oppose any ceiling on cotton or cotton goods which would yield less than 20 cents a pound for raw cotton, on the grounds that any lower price would fail to give cotton growers actual parity income in view of the short crop expected to be produced this year. Pointing out that the principal reason for setting maximum prices is to prevent inflation, Senator Bankhead said that the government could easily prevent any runaway prices in most farm crops, and particularly with respect to cotton, wheat, and corn, merely by releasing on the market sufficient quantities of these commodities which are now in storage and under the control of the government.

President Roosevelt recently indicated that he was in favor of some control of rents in defense areas where housing shortages have developed, but said that this problem might be dealt with in a separate bill, providing local authorities are unable to cope with the problem. The President refused to discuss whether wages should also be pegged and merely said that government officials were attempting to keep things pretty well in balance.

Other Inflation Checks

Vice-president Wallace has strongly endorsed a policy of heavy taxation and investment in government securities by individuals as a means of checking inflation through a reduction in consumer buying power. This method of preventing inflation has received some support in Congress as an alternative to direct price control.

The recent steady increase in consumer purchasing is giving rise to a growing conviction that in spite of any checks which may be devised the retail price level will continue its upswing for some time to come. The Bureau of Labor Statistics reported today that the wholesale commodity index as of July 12 was 1.6 percent higher than a month ago and 13 percent above a year ago.

Congressional sentiment is believed to favor some sort of a "reasonable" price-fixing law. However, various minority groups in both houses are prepared to fight any controls over particular things in which they are interested. Thus, the agricultural bloc wants no ceiling on farm products or commodities manufactured or processed from farm products; proponents of labor are horrified at the suggestion that ceilings be placed on wages; and industrial groups are opposed to ceilings on manufactured commodities unless they are to be protected from increases in raw material and labor costs.

Industrial Specialists Wanted by Government

—Continued from page 3

with manufacturers of materials or equipment vital to the defense program. Secondly, they may act as consultants on industrial materials, methods, and processes, or they may examine and evaluate data secured from the reports of various industrial concerns. The third possible assignment is that of investigator and analyst in the field of industrial materials, which involves the collection of data on production technics, uses, consumption, and market supplies of particular materials.

To qualify for these positions, experience is required that has given the applicant a thorough knowledge of production methods and processes in or or more manufacturing industries. This experience may have been in industrial management, planning, engineering, cost accounting, business analysis, or research. Applicants may substitute resident study in an educational institution above high-school grade, up to a maximum of four years, for this general experience. For each of the positions, applicants must have had some experience in one, or in a combination of not more than three, of the following industries:—

Iron and steel.
Nonferrous metals.
Machine tools.
Ordnance.
Aircraft, marine, and automotive equipment.
Railroad repair shops.
Radio and other electrical equipment, supplies, and apparatus.
Textiles.
Forest products.
Paper.
Printing and publishing.
Chemicals.
Plastics.
Products of petroleum and coal.
Rubber products.
Stone, clay, and glass products.
Leather and its manufactures.
Food and kindred products.

Applicants are rated on their education and experience and upon corroborative evidence. An oral examination may be given to determine further an applicant's qualifications for the positions. No written test will be given. Further information and application forms may be obtained at any first-class or second-class post office or from the United States Civil Service Commission in Washington.

Chem. Exposition Group Headed by M.C. Whitaker

M. C. Whitaker, vice-president of the American Cyanamid Company, has been renamed chairman of the advisory committee for the Eighteenth Exposition of Chemical Industries. The exposition is to be held in Grand Central Palace, this city, December 1 to 6.

Other members of the committee are:—Raymond F. Bacon, L. H. Baekeland, W. S. Landis, vice-president of the American Cyanamid, and who is president of the Chemists' Club; Raymond R. Ridgway, president of the Electrochemical Society; J. V. N. Dorr, president of the Dorr Company; Walter J. Murphy, editor of *Chemical Industries;* H. E. Howe, editor of *Industrial and Engineering Chemistry;* William L. Evans, president of the American Chemical Society; W. T. Read, dean of chemistry of Rutgers University; Charles F. Roth, manager of the exposition; H. J. Schnell, president of the Schnell Publishing Company, publisher of the OIL, PAINT AND DRUG REPORTER; E. K. Stevens, associate manager of the exposition; W. D. Merrill, of Joseph Turner & Co., who is president of the Salesmen's Association of American Chemical Industry; R. Gordon Walker, vice-president of the Oliver United Filters, Inc., and E. R. Weidlein, director of the Mellon Institute.

OPM Issues Pamphlet On Defense Subcontracting

"Subcontracting for Defense," a new pamphlet telling how ten large defense manufacturers have increased production by spreading work into other plants, has been sent to all prime defense contractors by Robert L. Mehornay, chief of OPM's defense contract service. Copies of the pamphlet may be obtained from the Division of Information, Office for Emergency Management, Washington.

Ammonia History Given

An article on ammonia from the standpoint of interest to the general reader appears in the July number of *Priorities,* house magazine of the Prior Chemical Corporation, this city. The importance of this chemical to the production and preservation of food and in varied industrial uses is briefly outlined.

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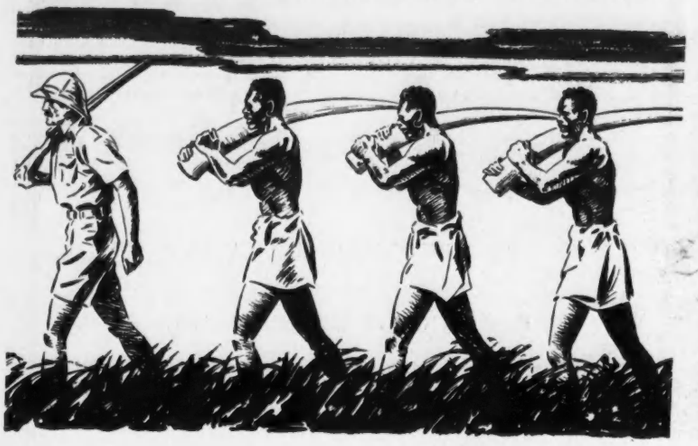

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BENZOL
TOLUOL
XYLOL
SOLVENT NAPHTHA
HI-FLASH SOLVENT
FLOTATION REAGENTS
ANHYDROUS AMMONIA
HYDROGENATED COAL-TAR CHEMICALS
Cyclohexane 98-100%
Methylcyclohexane 98-100%
Cyclohexanol 98-100%
Methylcyclohexanol 98-100%
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Coaltar Chemicals

Demand Heavy With Many Materials on a Pro Rated Basis —Cresols, Cresylic Acid and Phenol Positions Unchanged —Anilin Oil and Phthalic Anhydride Continue Short

Business continued on a prorated basis for a number of items in the market for coaltar chemicals last week. Bookings ran at abnormal levels, and sellers were only able to cope with inquiries from regular consumers on contracts. The usual procedure was to allocate business in proportion to usual commitments, allowing for some broadening where defense needs made it necessary to give preference rating. A generally firm price tone characterized the trading.

The position of tar acids experienced little change with cresols, cresylic acid, phenol, naphthalene and tar acid oils in a tight position. Output of toluol continued to be absorbed by defense activities, and xylol remained in a sold up position. A good amount of replacement buying occurred for creosote oil. A steady demand prevailed for various grades of pyridin.

Practically all the business in intermediates was confined to regular consumers for normal requirements, with several items in short supply. Anilin oil and phthalic anhydride were outstanding in this respect. Coaltar acids moved steadily. A good demand continued for various coaltar colors.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.7	127.7	127.7	127.2

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Carbazole. — Steady movement to regular consuming channels. Prices underwent no alteration.

Coaltar.—Shipments steady against contracts. Pricewise a firm tone prevailed.

Creosote Oil.—Market position firm. Withdrawals good from usual consumers.

Cresols. — Market position tight, business continued allocated. Prices rule firm.

Cresylic Acid. — Business prorated among regular consumers. Domestic prices unchanged and firm. Spot offerings of imported small.

Naphthalene. — Crude material moved directly to consuming channels. Market position strong, and prices well sustained.

Oil, Shingle Stain.—Buying followed a normal trend. Prices displayed no change.

Phenol.—Business allocated among regular consumers for normal needs. Market position tight. Prices unchanged and firm.

Pitch, Coaltar.—Transactions routine. No change occurred in the prices.

Pyridin.—Market remained firm, while shipments moved steadily.

Tar Acid Oils.—Market continued in a tight position, with offerings limited. Prices held firm.

Toluol.—Demand active. Prices failed to change, while tone remained firm.

Xylol.—A tight situation prevailed, with business limited to regular channels. Prices firm.

Benzol

A definite strengthening occurred in the market for benzol during the past few months. A much heavier demand for motor benzol was the principal factor, while a broadening in the use of nitration grades also took place. This came at a time when the yield of benzol was influenced by the soft coal strike, which lasted during the month of April and part of May. Most sellers were hesitant about booking any additional business and limited offerings during July.

Benzol is not subject to an export license, nevertheless, inquiries dropped off considerably during the latter part of 1940 and so far this year. Exports for the first quarter totaled 1,311,505 gallons, against 5,982,091 gallons in the like quarter a year ago. Shipments during 1940 amounted to 7,922,728 gallons, compared with 12,004,089 gallons in the preceding year.

Output continued to run ahead of the preceding year, with the recovery in the first five months amounting to 61,934,000 gallons, compared with 51,141,000 gallons in the corresponding period a year ago. Production for the full year 1940 aggregated 132,745,000 gallons, against 104,913,000 gallons in the 1939 year.

Burdensome stocks caused a weakness in the market during the middle of 1940, prices were dropped 1c. in June and another 1c. in August of that year. At the outset of the war prices stood at 16c. per gallon in tanks. Quotation remains at the low level of 14c., but a firming in the price structure has been evident recently.

Chicago Coaltar Bases

Coaltar bases remain firm, with inquiry fair. Benzol business is reported moderate. Inquiry for various products is in fair quantity, indicating buyers are taking about normal amounts, in spite of some nervousness. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 9c.; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Hydrogenated Solvents

Cyclohexane. — Steady inquiry. Prices unchanged and tone firm.

Cyclohexone. — Interest continued moderately active. Prices lacked change.

Methylcyclohexanol. — Prices held firm, while business was steady.

Coaltar Acids

Benzoic.—Shipments moved steadily to regular channels. Prices firm.

Broenner's.—Usual consumers made fair size replacements to keep market firm.

Cleve's. — Transactions routine. Pricewise a firm tone prevailed.

Fumaric.—Business brisk. Prices held at same levels.

Gamma.—Purchases moderate. No change occurred in the quotations.

H.—Market strictly a routine affair. Prices rule firm.

Maleic.—An active demand prevailed, with market in firm position.

Picramic.—The call was moderately active, and prices failed to change.

Picric.—Demand active. Prices unchanged and firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Salicylic.—Technical grades well taken. Prices without change.

Sulphanilic.—Shipments moved at a steady pace. No change in the prices.

Tobias.—A steady movement continued against contracts. Prices display firmness.

Other Intermediates

Alphanaphthol.—Buying steady, and market position firm.

Anilin.—Market tight, and inquiries active. Prices rule firm.

Anthraquinone. — Commitments remained steady. No change in the prices.

Benzaldehyde.—Technical grade in steady call. Prices firm.

Benzidin Base.—Withdrawals moderately active. Quotations without change.

Betanaphthol.—Market experienced a broad demand, and prices held firm.

Betanaphthylamine. — Firm tone characterized the trading. Dealings steady.

Dimethylanilin.—Inquiries and shipments active. Prices hold firm.

Dinitrobenzene.—Shipments moved steadily against contracts. Prices remain the same.

Dinitrochlorobenzene. — Business usually confined to regular channels for normal needs.

Dinitronaphthalene. — Withdrawals steady and market position firm.

Dinitrophenol. — Prices unchanged and firm, while the call was steady.

Dinitrotoluene. — A good interest prevailed. Prices lacked change.

Diphenyl.—Market firm, with business steady.

G. Salt.—Dealings routine. Nothing new occurred in the quotations.

Metanitroparatoluidin. — Buying moderate and steady. Prices underwent no change.

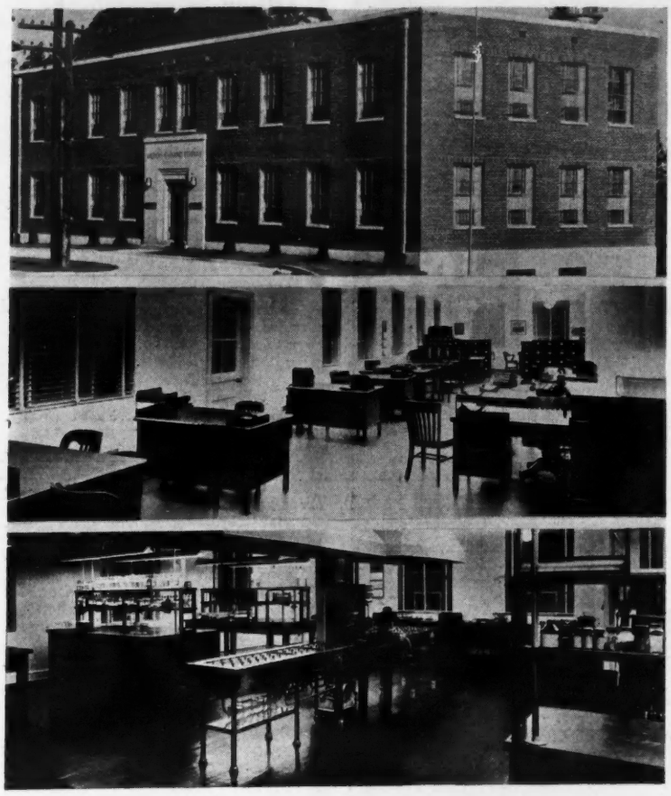
Monochlorobenzene.—Market tight, and selling limited to regular consumers. Prices firm.

Nitrobenzene. — Shipments steady against contracts. Prices rule firm.

Nitronaphthalene. — A firm tone

—*Continued on page* 38

Calco-Cyanamid Charlotte Headquaters



The New Building—the Office—the Textile Laboratory

The Calco chemical division and the American Cyanamid & Chemical Corporation are now in a new building in Charlotte, N. C. This air-conditioned structure houses the offices, laboratories and warehouses. In all, the building provides 8,600 square feet of space. A feature of the air-conditioning system is the separation of the laboratory system from that of the office, preventing circulation of laboratory odors to the other portions of the building.

The address of these new quarters is 3333 Wilkinson boulevard. American Cyanamid & Chemical before this move had been located for a number of years at 822 West Morehead street, also in Charlotte. Calco's former Charlotte address was 1112 South boulevard.

The American Cyanamid & Chemical Corporation centers its entire Southern district sales activities in this new office which is located adjacent to the American Cyanamid & Chemical Corporation's Charlotte plant. The Charlotte plant is only one of seven American Cyanamid plants located in six Southern States. In addition, the company mines bauxite in Georgia and Arkansas. Hugh Puckett is the Southern salesmanager for the American Cyanamid.

The laboratories, which Calco will now be using in this new building, are alluminated entirely by daylight fluorescent lighting. With the apparatus in these laboratories J. E. Moore, Calco's Southern salesmanager, said that it is possible to dye yarn, piece goods or raw stock. Shade matching and the testing of formulations will be more quickly accomplished with this latest type apparatus.

U. S. Smokeless Powder Plant To Cost $25,761,820

OPD Washington Bureau
July 16, 1941

Facilities for the production of trinitrotoluene, dinitrotoluene and tetryl will be added to the smokeless powder plant now being constructed at Sylacauga, Ala., by E. I. duPont de Nemours & Co., Wilmington, Del. Estimated total cost of the plant is now placed at $25,761,820.

Manhattan Paste & Glue Company, this city, has increased its capital from $60,000 to $200,000.

TAR ACIDS

Phenol · Cresol Cresylic Acid

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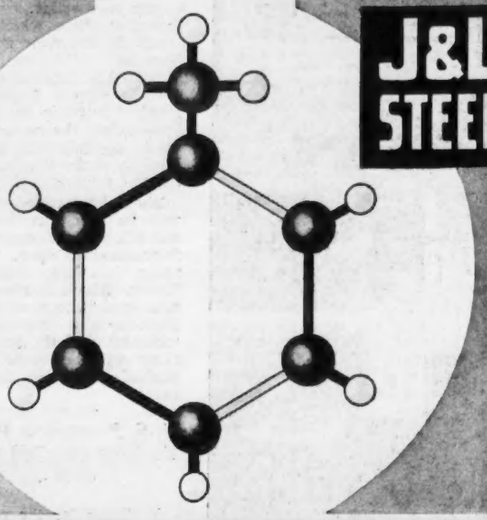

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AMERICAN IRON AND STEEL WORKS • PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page 37*

characterized the trading. Dealings steady.

Orthoanisidin.—Buying moderately active. Prices held firm.

Orthochloroaniiin.—A good interest prevailed, while the prices were the same.

Orthochlorophenol.—The call remained steady. No change disclosed in the prices.

Orthocresol. — Market tight, selling limited to regular channels. Prices firm.

Orthodichlorobenzene. — Demand brisk, selling restricted. Prices unchanged and firm.

Orthonitroaniiin.—A firm price tone prevailed. Inquiries steady.

Orthonitrotoluene.—Business active. Prices without change.

Orthotoluidin. — Purchases steady. No change developed in the prices.

Parachlorophenol.—Buying moderately active. Prices held the same.

Paranitroaniiin.—Call steady. No change occurred in the prices.

Pananitrophenol.—Firm price tone, while shipments held steady.

Paratoluidin.—Brisk inquiry. Prices unchanged and tone firm.

Phthalic Anhydride. — Demand heavy, with business usually allocated to regular consumers. Prices remain firm.

R. Salt. — Transactions routine. Prices without change.

Thiocarbanilide.—Interest continued good and prices well sustained.

Toluidin.—Shipments moved at a steady pace against contracts. Prices firm.

Xylidin.—Market in firm position, with inquiries and shipments steady.

Coaltar Colors

A good buying movement continued for various coaltar colors last week. The tetxile industry provided a steady demand, while the tanning, paper and other consuming lines were coming in the market for good sized replacements against contracts. The domestic situation narrowed offerings in the export market. The market displayed a firm price tone.

At present the United States is the only important supplier of dyes to Venezuela. In normal times competition comes from Germany, Great Britain and France. The immediate future for the sale of American products is very favorable. The textile and tanning industries occupy a relatively important position in the Venezuelan structure, although the country is not highly developed.

TNT Plant in Ohio To Cost $18,641,241

OPD Washington Bureau
July 16, 1941

The War Department has increased by $9,252,911 the contract for the construction of the Plum Brook Ordnance plant, Sandusky, Ohio, to provide additional trinitrotoluene and dinitrotoluene capacity. Total estimated cost of the plant is now $18,641,241. The plant will be operated by the Trojan Powder Company.

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Dyestuffs, Textile and Leather Chemicals

Inquiries Active But Supplies of Many Materials Limited —Another Fractional Advance in Liquid Quebracho Extract —Domestic and Imported Yolk Up—Divi-Divi Advanced

While inquiries held at active levels, the inability to obtain supplies restricted transactions in the market for dyestuffs, textile and leather chemicals last week. Practically all chemicals were in a tight position. Sizing materials were in active demand, and spot stocks more difficult to find. Inquiries for tanning materials remain brisk; but sellers encountered difficulty in securing raw materials from primary markets. Prices advanced for domestic and imported egg yolk. Colombian and Venezuelan divi-divi prices were higher. Another fractional rise took place in liquid quebracho extract.

Woolen piece goods industry is taking steps to forestall government imposed control of prices. It is felt a voluntary stabilization of values around recently established levels will insure full approval of government agencies seeking reasonable curbs on the advancing prices in textiles. Meanwhile, the wool products labeling act became effective July 14 under the supervision of the Federal Trade Commission. Labels attached to wool products will have accurate information of the fiber content, including percentage of wool, reprocessed wool and reused wool.

Price Changes

Advanced

Divi-Divi, Colombian, $2 per ton
Venezuelan, $2 per ton
Egg yolk, dom., 2c. per lb.
imported, 2c. per lb.
Quebracho, liquid, ext., ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
226.0	225.7	215.5	144.6

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate. — Selling restricted. Prices rule firm.

Alumina Chloride.—Market in firm position, with offerings limited as a rule.

Ammonia Acetate. — Prices unchanged and firm. Buying steady.

Ammonia Bichromate. — Moderate inquiry. No change in the prices.

Chrome Acetate.—Offerings small. Prices rule firm.

Potash Bichromate.—Business confined to regular contract consumers for most part. Prices firm.

Potash Prussiate.—Market tight and inquiries steady. Prices firm.

Soda Bichromate.—Demand active, with shipments held to regular channels. Prices rule firm.

Soda Prussiate.—Market position strong, and demand steady.

Sulphonated Oils.—Firm price tone, and inquiries reached market steadily.

Zinc Dust.—Business on restricted basis. Prices remain firm.

Dyestuffs

Annatto. — Call moderate. No change in the prices.

Cochineal. — Transactions routine. Prices held firm.

Fustic. — Steady movement under way, and quotations rule firm.

Hypernic. — Shipments moderately active, while prices held unchanged.

Logwood.—A good inquiry prevailed. Market retained its firmness.

Turmeric.—Spot offerings limited. Prices continued nominal.

Sizing Materials

Albumen, Blood.—Demand steady, market position firm, and prices unaltered.

Albumen, Egg.—Good inquiry. Domestic prices remain unchanged and firm.

Corn Sugar. — Shipments move steadily. Prices display firmness.

Dextrin, Corn.—Brisk demand. No change occurred in the prices.

Dextrin, Potato.—Domestic prices firm, and takings steady.

Egg Yolk.—Prices advanced 2c. making domestic range from 80c. to 83c. per pound and imported from 74c. to 77c. per pound. Demand good.

Sago Flour.—Market tightening with shipments dropping from Far East. Prices firm.

Starch, Corn.—Active demand continues. Prices unchanged and firm. Corn grind for June totaled 8,569,750 bushels against 5,158,366 bushels in June, 1940, according to Corn Industries Research Foundation.

Starch, Potato.—Market firm, and buying steady.

Starch, Rice.—Prices lack change but tone held firm. Good inquiry.

Starch, Wheat.—Shipments well sustained. Prices remain firm.

Tapioca Flour

A shortage of shipping facilities from the Netherland Indies recently has curtailed shipments of tapioca flour to this country. Attempts were made to replace a portion of this trade by shipments from Brazil, but so far arrivals from that country have not been very substantial. Efforts are still underway to increase shipments here and at the same time improve the quality of the product.

While shipments earlier in the year ran slightly ahead of the like period a year ago, it is understood a sharp drop occurred in the past two months. Imports of tapioca flour in the first four months totaled 124,500,000 pounds, against 117,049,000 pounds in 1940 period and 132,125,000 pounds in the like period of 1939. For the year 1940, imports aggregated 333,926,362 pounds, against 382,758,143 pounds in 1939.

A sharp rise occurred in prices since the war when quotations ranged from 2½c. to 4c., compared with current prices of 5c. to 6½c. per pound. Most of the increase represented higher replacement costs such as freight rates and war risk insurance.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—

American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.

Tanning Materials

Chestnut Bark.—Prices firm. Shipments steady.

Divi-Divi. — Prices advanced $2, making Columbian $42 and Venezuelan $45 per ton. Good inquiry.

Gambier.—Spot stocks limited, shipments light. Prices nominal.

Hemlock Bark.—Steady movement against contracts. Prices rule firm.

Mangrove Bark.—Supply situation highly uncertain. Prices lack change.

Nutgalls.—Moderate inquiry. No change for Chinese.

Oakbark.—A good demand prevailed against contracts. Prices unaltered.

Quebracho. — Liquid extract advanced ¼c., making tanks 5c. and car lots, barrels, 5½c. per pound. Active inquiry.

Quercitron.—Shipments moderately active. Prices unchanged.

Wattle Bark.—Prices remain the same. Inquiries steady.

Steel Barrel Output Up

Production of heavy-type steel barrels and drums in May amounted to 1,538,869, compared with 1,463,222 in April, and 930,319 in May last year, according to the Bureau of Census. Shipments amounted to 1,582,056, compared with 1,473,734 in April and 916,285 in May last year. Output of light types amounted to 330,587, against 355,068 in April and 285,005 in May last year. Shipments amounted to 331,503, against 356,764 in April and 229,944 in May last year.

Will S. Johnson, of the Vick Chemical Company, has been elected president of the Market Research Council.

Leather Terminology Dictionary Being Issued

Third edition of "Dictionary of Leather Terminology" has been completed by the Tanners Council of America, 100 Gold street, New York. The dictionary has been drawn up to follow a definite plan, being divided into:—(1) Raw materials used; 2) Kinds of leather produced therefrom; 3) Terms in general use, giving (a) origin and history (b) accepted or improper use (c) proper or correct use. Copies of the dictionary may be obtained at the office of the Council for 10 cents.

Mutual Chemical Co. Issues Chromium Compounds History

The Mutual Chemical Company of America, 270 Madison avenue, New York, has issued a thirty-page brochure on the discovery, development and use of chromium chemicals. Starting with early historical events in Europe, the story covers the progress in chromium chemicals in the United States. The brochure discusses separately the uses and improvements in the various chromium compounds, and contains marginal drawings and maps indicating the plants, chrome ore mines and agents for the company throughout the world. Included also is a list of the company's products, and type of container used in shipping them. Copies of the brochure may be obtained from the company by mentioning the REPORTER.

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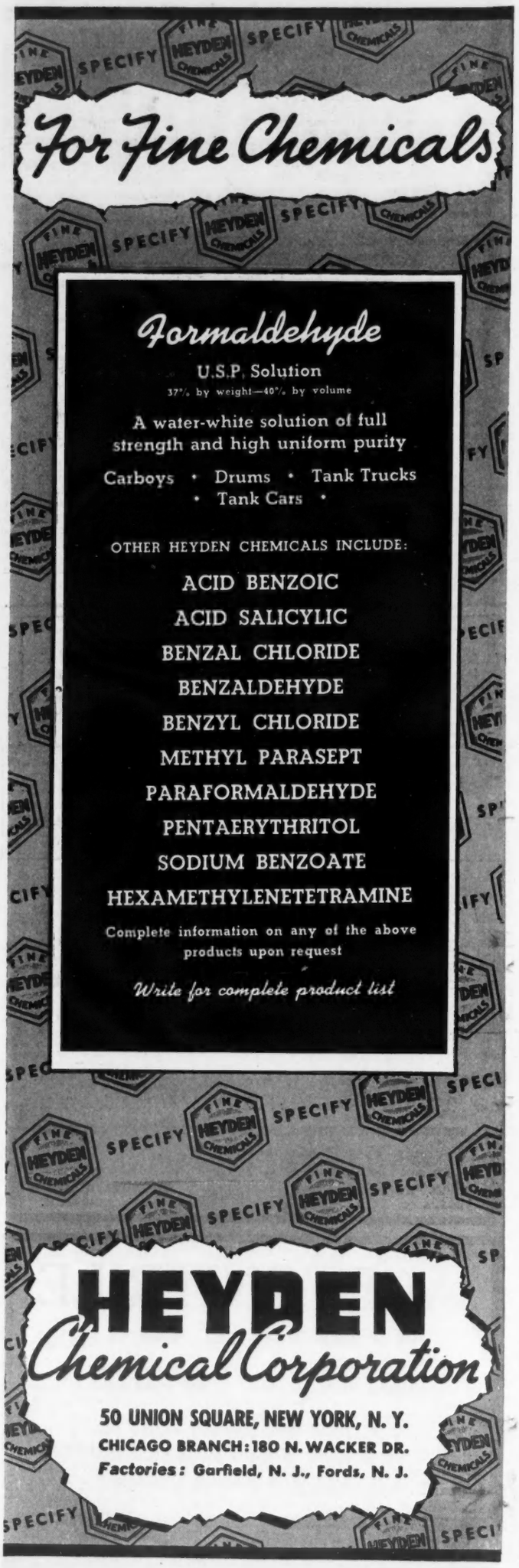

Paint Materials Situation

—Continued from page 28

matter of paint formulations; in changes that may be necessary because of availability or non-availability of certain raw materials.

Your Washington office has been making an exhaustive study of the availability of all materials entering into paint, and it is important for each one of you individually to avail yourself of as much of that information as is possible for the future successful conduct of your own business.

Dehydrated Castor Oil Oiticica Oil

(By M. F. Austin, W. R. Grace & Co.).

It is impossible even with the best of intentions to make any dependable estimate of supplies of any of the drying oils in which we are mutually interested under present conditions because of the numerous contingencies. For instance, if we knew there was to be no wood oil or only a little wood oil, or on the other hand large supplies of wood oil, we could begin from some one of those points and estimate the probable supplies of dehydrated castor oil, oiticica oil and others, but it is simply impossible to get the starting point. Therefore, all we can do is take conditions as they are.

The official imports for the first six months of 1940 were 58,470 tons of castor beans. For 1941 we only have the official estimates of the first three months, amounting to 53,137 tons, to which must be added the imports of the second quarter not yet officially available—and we can only calculate from steamer manifests as published in the trade papers amounting to 30,176 tons, which, if correct, would make the total for the first six months of this year 83,313 tons against 58,470 tons the first six months of last year.

The production capacity of dehydrated castor oil has been increased considerably the last year, likewise the use of it. There is considerable reticence in some directions about disclosing the actual productive capacity, probably for sufficient reasons —my own guess is the productive capacity on full time, one shift per day, is probably about 25,000 tons per annum. Working two or more shifts would undoubtedly increase this considerably.

The supply of beans in Brazil is ample but there remains some uncertainty regarding shipping facilities particularly when every day or two we learn of more and more steamers being taken out of commercial service and assigned to government use. Replacements, however, have begun so that the sum total might be a fairly optimistic picture that shipments can continue about as they are subject to any possible interference from war developments, such as submarine or raider activities, which are not now in sight on the Atlantic coast. There is undoubtedly considerable reluctance on the part of castor oil manufacturers to contract unduly far ahead for the dehydrated castor oil because of the always present uncertainty of the arrival of the beans. Their attitude in this respect is more pronounced on dehydrated castor oil because of the fact that so much of it is new business, and the dehydrated castor oil manufacturers are unable to determine whether or not the potential buyer is endeavoring to accumulate more than his immediate requirements, and whether if he contracts for more than his immediate requirements he will be able to take delivery in the event of change of circumstances. This attitude no doubt gives some buyers the idea that dehydrated castor oil may not be available in the quantities desired so there is an unavoidable feeling of uncertainty on the part of both the manufacturers and users of dehydrated castor oil as to supply.

Briefly, as I picture it the manufacturers feel that if the buyers sit steady and do not rock the boat manufacturers have every incentive to get the beans—produce, manufacture and sell the oil—and take care of the trade, subject only to their capacity, which is apparently sufficient for present demands, but probably is not sufficient to take care of all the demands for drying oil if there should be no wood oil, perilla oil, oiticica oil, and other things. In other words, the present capacity for manufacturing dehydrated castor oil cannot take care of the entire drying oil trade, but could take care of its expected proportion under existing conditions.

As to oiticica oil, official imports first six months of 1940 amounted to 3,879 tons, whereas in 1941 we have only the official figures for the first quarter amounting to 806 tons, to which must be added the imports for the second quarter, which according to steamship manifests amount to 4,640 tons, or a total of 5,446 tons first six months of this year as compared with 3,879 tons first six months of last year. These unofficial estimates for the second quarter are not final (subject to correction) and may possibly contain a number of duplications, so it is well to allow for the probability of a lesser figure. Due to the fairly high price and the anxiety of producers to realize cash for their outlay for seed I believe the shipments the second quarter are abnormally heavy and I would not count upon a continuance of anything like this rate of imports balance of the year. Offerings of additional shipments from Brazil have let up considerably since April with very little offerings last month; so that I am not willing to subscribe to the estimates being made in some quarters that the imports this year will be anything like 18,000 to 20,000 ton figure circulated. Total imports for the year 1940 amounted to only 7,768 tons, and I will feel very happy if these show an increase of 50 percent or anything like 12,000 tons. There is a possibility that the prices which have been consistently high all this crop season will be a strong incentive in getting every available pound of seed out of the interior, crushed, and with the obstacles in the way of shipments to Europe this country will have the advantage of the entire crop production, and if we can get in the neighborhood of 12,000 tons I feel that is about all we can expect. As transportation facilities improve more and more seed can be gathered and shipped from the interior and developed into oil. The potential production of oiticica oil is not limited to anything like 12,000 tons. It is the lack of transportation from the interior which stands in the way of getting the full crop potentially available.

The new crop which will mature for oil arriving here beginning in February-March, 1942, is now in flower but northern Brazil, where this crop grows has experienced a considerable drought this season and I fear that the fruiting will not be as prolific as last year, but it is a bit too early to go into 1942 possibilities. I think by cooperation between the users of oiticia oil and the importers handling it satisfactory contracts—ordinarily about six months in advance—would result to the general benefit of the manufacturers, shippers, importers and users of oiticia oil.

Eagle-Picher Elects Bowlby President

—Continued from page 5

Co., accountants and auditors, and has been a general partner of that firm since 1928. During the last eight years his activities have been largely directed to problems of industrial management.

Mr. Hummel has been actively associated with the Eagle-Picher companies since 1891. He has served in various capacities, as secretary, treasurer, and president since 1937.

In addition to Mr. Bowlby and Mr. Hummel, the directors of the company are:—Frederick Hertenstein, president of Western Bank & Trust Company, Cincinnati, and chairman of the executive committee of Eagle-Picher; Vincent H. Beckman, attorney, Cincinnati; Arthur E. Bendelari, retired, Lexington, Ky.; Carl F. Hertenstein, vice-president of the Moser Paint Company, Cincinnati; A. Kiefer Mayer, vice-president of the Kiefer-Stewart Drug Company, Indianapolis; Robert E. Mullane, president of the D. T. Williams Valve Company, Cincinnati; John A. Robinson, of Miami, Okla.; John J. Rowe, president of Fifth Third Union Trust Company, Cincinnati.

Paint, Varnish, Lacquer Materials

No Slackening in Demand for Raw Paint Materials—Only Small Percentage of Dry Colors Demand Available—Argentine Casein Higher — Rosin, Turpentine Advanced

The raw paint materials situation showed little change last week with demand, in many instances, greater than available supply. This was especially true in the dry colors trade where producers were able to accommodate only a small percentage of the prospective consumers. Certain materials were virtually unobtainable, due to inability to secure basic materials, or priority needs of the defense program.

Pigments manufacturers reported heavy demand. The lead pigments makers were apparently able to handle most orders but producers of zinc pigments and titaniums were allocating sales. Stocks of casein continued to dwindle, with new production low. Argentine material was advanced. Driers were in heavy demand with sales curtailed. Varnish gums were firm. Rosin and turpentine were more active and stronger in Southern and local markets, sales being reported at further noteworthy advances. Offerings were light and buying was stimulated by expectations of an increase in the loan value to producers.

Metallic Lead and Zinc

July lead requirements are reported better than 90 percent filled, while August needs are said to be about 25 percent covered. There was no let-up in the volume of ordering, with inquiries continuing above the available supply. Price was firm and unchanged. Supplies of slab zinc continued to be strictly allocated to all users, with the civilian demand still urgent. Domestic output is expected to rise over the coming months as capacities are expanded. Easing in the supply is not anticipated, however, as the opening of new cartridge plants will offset such increase in supply. Price was firm and unrevised.

Price Changes

Advanced

Casein, imp., Argentine, ¼c. per lb.
Dibutyl Phthalate, 1c. per lb.
Rosin, gum, 5c. to 26c. per 100 lbs.
oil, 3c. per gal.
Turpentine, gum, 3¾c. per gal.
S.D., 4c. per gal.

Reduced

None

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.8	129.8	128.6	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Lead.—Prevailing spot prices at New York, St. Louis and London for the period from July 12 to July 17, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York. E. St. Louis.		£ s. d.
Saturday	$0.0585@.0590	$0.0570	.. * .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wedn'sd'y.	.0585@.0590	.0570	.. .. ..
Thursday	.0580@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from July 12 to July 17, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York. E. St. Louis.		£ s. d.
Saturday	$0.0765	$0.0725	.. * .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Continued good movement. Price firm.

Flake White.—Broader buying interest. Quotation unrevised.

Litharge. — Producers reported heavy call, with no slackening in volume of shipments. Prices steady and unchanged.

Lithopone.—Market tight. Many prospective buyers unable to secure supplies. Prices unchanged.

Orange Mineral.—Good movement unabated. Inquiries less numerous. Tone stable.

Red Lead. — Slight slackening in orders but trade still running far ahead of last year. Quotations firm and unrevised.

Titanium Pigments.—Industrial consumers encountering still more diffi-

Dammar Gums

Recently, fear has been expressed in the paint trade that a shortage of dammar gums may develop as a result of the difficulty in obtaining shipping facilities from the source of supply to the United States. Importers of these natural resins, however, have expressed confidence that they will be able to obtain a supply adequate to meet the normal requirements of the trade. This confidence is substantiated by recent import figures.

In 1940 the United States imported 19,110,593 pounds of dammar resins, valued at $1,098,785, compared with 1939 imports of 17,334,581 pounds, valued at $796,399. That the trend is still upward may be seen by figures for the first four months of 1941, when 7,536,196 pounds, valued at $517,594, were imported, compared with similar 1940 figures of 6,821,173 pounds, valued at $377,344. In May and early June of this year a shipping problem did arise, but this has been successfully ironed out between importers and foreign producers.

The shipping situation, however, in the form of increased freight rates, together with higher production costs, has resulted in higher prices for the industrial consumer. In August, 1939, Batavia A dammar, for example, was quoted at 20c. per pound for car lots, compared with a current price of 24½c. Also, Singapore No. 1 was quoted at 13⅝c. per pound in 1939, compared with 18⅞c. at present.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Fed. Production Clubs, Oct. 27-28, Chicago.
Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.

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culty in obtaining supplies. Defense program needs heavy. Prices firm.

Zinc Oxides.—Difficulty in obtaining metal hampering manufacturers. Consumers encountering difficulties in getting supplies. Prices steady.

Driers

All types of palmitates and stearates were in large demand last week, with both contract customers and new buyers seeking supplies. Producers were somewhat indisposed to accommodate all orders due to tightness of supplies. Prices were firm and unchanged.

Fillers and Extenders

Asbestos.—Good movement. Prices steady.

Asphaltum. — Better than normal call reported. Shipments large. Prices firm.

Barytes.—Normal trade. Deliveries regular and in good volume. Prices firm and unrevised.

Blanc Fixe.—Normal call reported. Inquiries more numerous. Prices firm.

China Clay.—Movement broader. Inquiries up. Prices firm.

Charcoal.—Normal trade reported. Prices steady.

Diatomaceous Earth.—All grades moving well. Chemically pure material most active. Prices steady.

Fullers Earth.—Satisfactory movement. Price steady.

Graphite. — Buying fairly brisk. Shipments larger. Prices firm.

Marble Flour. — Ordering satisfactory. Price steady.

Woodflour.—Domestic material moving well at unchanged prices. Norwegian product unobtainable.

Naval Stores

A firm tone continued to prevail in Southern and local markets for naval stores last week, the trend of both rosin and turpentine being upward at times. Business was more active, especially in the case of rosin. Buying of that product broadened materially owing to expectations of an increase in loan values to producers. There was also a rumor current that turpentine might be included in the plan to increase loans. Definite action was lacking but expectations of an official announcement in this connection in the near future made sellers reserved. On Wednesday transactions were reported in turpentine at Savannah at 43c. per gallon which compared with 41¼c. at the close of the previous week.

Turpentine.—The local market was strengthened by a further advance at Savannah where demand was more active and offerings light. Business here showed an increase.

SAVANNAH, July 11.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	..	...	...	...	...
Monday	41½	13,450	72	105	13,563
Tuesday	42¾	11,700	432	48	13,947
Wednesday	43	19,100	248	...	14,195
Thursday	44	5,450	149	...	14,344
Friday	45	3,150	91	6	14,429

* No trading.

JACKSONVILLE, July 16.—Turpentine stock, 10,554 barrels.

PENSACOLA, July 12. — Turpentine stock, 9,414 barrels.

CHICAGO, July 18.—Turpentine active. Ruling prices at the close of business last night were:—Five-drum lots, 54c. per gallon; five wood barrels, 59c.; single drums, 57c.; single barrels, 62c.

Rosin.—The market here was more active last week, demand being stimulated by expectations of an increase in loan values and by the strength of the market at Savannah where offerings were light or moderate. The local price trend was upward.

SAVANNAH, July 11.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$2.05	$2.05	$2.05	$2.05	$2.05	$2.05
D	2.20	2.20	2.25	2.25	2.25	2.25
E	2.24	2.24	2.25	2.25	2.25	2.25
F	2.35	2.35	2.35	2.35	2.35	2.35
G	2.35	2.35	2.35	2.35	2.35	2.35
H	2.35	2.35	2.35	2.35	2.35	2.35
I	2.35	2.35	2.35	2.35	2.35	2.35
K	2.35	2.40	2.35	2.35	2.35	2.35
M	2.40	2.40	2.35	2.35	2.35	2.35
N	2.42	2.42	2.42	2.40	2.28	2.28
WG	2.52	2.52	2.52	2.51	2.51	2.51
WW	2.80	2.85	2.85	2.75	2.75	2.75
X	2.80	2.85	2.85	2.75	2.75	2.75
	Barrels					
Sales	820	405	307	751	941	
Receipts	301	1,111	418	278	788	
Shipments	1,094	591	460	...	690	
Stocks	...	...	...	...	157,529	

* No trading.

JACKSONVILLE, July 16.—Rosin stock, 307,902 barrels.

PENSACOLA, July 12.—Rosin stock, 33,400 barrels.

CHICAGO, July 18.—Rosin more active. Ruling prices at the close of business last

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night in five-drum lots were:—B grade, $3.35 per 100 pounds net; G grade, $3.55; M grade, $3.70; W.W. grade, $4.15.

Other Naval Stores

Pine Oil.—Steady movement to local and outside consumers. Market firm.

Rosin Oil.—Demand stimulated by recent developments in basic material. Prices up 3c. per gallon.

Pitch.—Quotations maintained. Domestic trade fairly active. Increased export inquiry.

Lacquer Materials

One producer advanced prices for dibutyl phthalate to provide the outstanding development in the market for lacquer materials and solvents last week. So far as could be learned other factors were adhering to the old schedule. Most producers raised prices for diethyl phthalate and dimethyl phthalate for the third quarter, however.

A brisk demand continued for practically all materials. A tight situation prevailed generally, with sellers limiting business to regular contract accounts for normal needs. Effective July 23, acetone will be placed on the export control list. In the meantime domestic offerings were confined entirely to contracts, with most producers out of the spot market. Butyl alcohol and acetate were in active demand. A heavy inquiry prevailed for ethyl acetate and tricresyl phosphate.

Acetone. — Market position tight. Demand active, offerings limited. Prices firm. Material placed on export control list July 23.

Alcohol, Butyl.—Snipments steady to regular contract consumers. Prices unchanged and firm.

Dibutyl Phthalate.—Prices advanced 1c. by one producer to basis of 19c. per pound in tanks; market in tight position.

Ethyl Acetate. — A brisk demand continued, with sellers limiting business to contract consumers for normal requirements. Prices remain the same.

Isopropyl Acetate. — Inquiries and shipments steady, and market in firm position.

Tricresyl Phosphate.—Buying brisk, with selling limited to regular channels as a rule. Prices underwent no change and tone was firm.

Shellac

Shellac importers have developed a substantial concern about the recent turn of events in India. Prices have been advancing more or less steadily of late and local factors have come to believe that at least some of the rise should be attributed to speculative activity in Calcutta.

Conceding that deliveries of shellac from the interior to the Calcutta godowns have been reduced by the need to move manganese and other vital war materials, and accepting as fact the reports of unusual rains being a deterrent on shellac movements, there still remains the speculator in Calcutta who takes advantage of other conditions to feather his particular nest at the expense of price stability in the markets throughout the world.

Local quotations have not risen to an extent warranted by the prevailing cost to import from the source at the present time and it is hoped that efforts made here to end Calcutta speculations may make it possible to avoid higher prices. These efforts have taken the form of protest cables sent to India by the United States Shellac Importers' Association and the American Bleached Shellac Manufacturers' Association acting jointly in a common cause.

Dry Colors

Alkali Blue Toner. — Good call. Price steady.

Bone Blacks. — Market tighter. Shipments large. Prices firm.

Carbon Blacks.—Slightly less buying interest. Consumers apparently well stocked. Prices firm.

Cadmium Colors. — Raw materials situation giving concern. Sales limited. Prices firm.

Chrome Colors. — Large demand, with sales curtailed. Prices firm.

Iron Oxides.—Heavy call. Shipments large. Prices firm.

Mercuric Oxides. — Interest continued to broaden. Inquiries more numerous. Prices firm.

Siennas.—Prices on imported nominal. Material virtually unobtainable.

Umbers.—No stocks. Prices nominal.

Vermilion. — Market continued to tighten. Price stronger but no changes recorded.

Synthetic Resins

Ester Gum.—A large contract movement continued to feature the market. Inquiries were at previous levels, but there was less actual new business. Prices were firm and unchanged.

Chlorinated Rubber. — Fair call. Prices steady.

Varnish Gums

Natural resins were in good demand during the week. Offerings were normal and sellers were confident of adequate future supplies. Tone, both here and abroad, was stable.

Glues and Binders

Casein. — Argentine material advanced ¼c. per pound to 21¾c. Domestic material unchanged. Both imported and domestic very tight. Production low. Stocks dwindling rapidly.

Glues.—Heavy demand continued, with little material available. Prices strictly nominal.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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Shellac Associations Fight Price Boosts

—Continued from page 5

1941 have been in chartered vessels at freight rates several times those previously existing.

Up to the present time American manufacturers and importers have succeeded in bringing into this country sufficient shellac to satisfy the needs, not only of the manufacturers of electrical equipment and other things directly or indirectly required for the defense program, but also of other consumers. A rising raw material market in India, coupled with higher transportation rates and increased insurance costs, has caused some increase, since the early part of this year, in domestic prices of shellac and shellac varnish, but that increase has been very slight compared with those which took place during and following the first World War.

Mr. Fisher says that the United States Shellac Importers Association, consisting of importers of raw shellac, and the American Bleached Shellac Manufacturers Association, consisting of manufacturers of bleached shellac, shellac varnish, and other shellac products, were making every effort to forestall the necessitating of further price increases in the domestic market by further increases, speculative or otherwise, in India for raw shellac. For the protection of American consumers the two associations recently sent joint cables to various branches of the Indian provincial governments in Calcutta and Patna, pointing out that not only might further increases in prices in India affect American consumers of shellac, but such action would also tend to prejudice the interests of Indian producers and shippers of shellac by inviting interest of consumers in less satisfactory but possibly cheaper substitutes therefor in such instances where the latter could be used, even though at some sacrifice of quality and with less desirable results.

Mr. Fisher says that overtures are also about to be made by the two associations to the local representative of the Indian government, with the view of enlisting its services to prevent any increase in foreign shellac prices which might not be entirely justified. He also says that while there still continues considerable difficulty in obtaining sufficient cargo space from India, he is hopeful that arrangements can be made to bring to this country substantially all the shellac that will be required in the many American industries which consume it, in addition to that required for the defense program.

Camouflage Paint Needs Discussed with U.S.

—Continued from page 5

J. V. Reardon, of the Reardon Company; Norman Daniel, of the National Chemical & Manufacturing Company; E. F. Norton, of the United States Calcimine Company; H. S. Prescott, of the Prescott Paint Company; H. H. Bassford, jr., and W. H. Gardner, of Polytechnical Institute, Brooklyn; P. A. Groggins, of the Office of Agricultural Defense Relations, Department of Agriculture; A. O. Allen, of the Vita Var Corp.; D. H. Parker, of Krebs Pigment & Color Corporation; J. J. Underwood, of the United States Gypsum Company; Ernest Trigg, president, and Lawrence Keefer, the National Paint, Varnish and Lacquer Association; Major L. A. Seeman, Major Breckinridge and First Lieutenant A. W. Van Heucherotch, of the U. S. Army Corps of Engineers; and J. R. Richardson, Office of the Chief of Engineers.

N.P.V.L.A. Now Has Industrial Finishes Div.

—Continued from page 5

of the Cincinnati agreement for suppression of unfair trade practices was held. The semi-annual meeting of the wood finishes producers group was convened, and President Trigg outlined the activities of OPM committees and discussed critical materials.

The national trade sales committee, at its meeting, handled an agenda of current importance. The executive committee of the national association convened on Friday, July 11, for its regular quarterly meeting, which was preceded by a breakfast meeting of the budget and finance committee.

General Electric Opens New Plastic Plant

The plastics plant here of the General Electric Company has been placed in operation, four months after the project was approved. The new unit will soon be the third largest plastics molding producer in the United States, being surpassed in capacity only by two other plants of General Electric.

Oil, Fats, and Waxes

June Refined Cottonseed Oil Consumption Down to 323,316 Barrels—Prices Irregular—Crude Offerings Continue Light —Chinawood Oil Advanced—Linseed Reduced by Crushers

Quieter conditions prevailed in the market for miscellaneous oils, fats and greases last week, business showing a falling off and the number of price changes reported being considerably smaller than in any recent preceding week. In the absence of any increase in offerings, however, the prevailing tone remained firm and the price trend was again upward. A development of interest was the publication of the monthly cottonseed report from the Census Bureau. This showed that consumption of refined oil during June was about 55,000 barrels smaller than in the previous month. In a survey of the oils and fats situation the Bureau of Agricultural Economics at Washington stated that ocean shipping continues to be highly uncertain, but unless conditions become much worse than in recent months it is likely that the total reduction in imports of oilseeds and oils will be much less pronounced than had been anticipated earlier and may be no greater than the increase in domestic production of fats and oils.

Price Changes

Advanced

Beeswax, white, bleached, 3c. per lb.
yellow, refined, 2c. per lb.
Carnauba wax, No. 3 chalky, 2c. per lb.
No. 3 North Country, 4c. per lb.
No. 1 yellow, 1c. per lb.
Chinawood oil, ¼c. to ½c. per lb.
Perilla oil, ½c. per lb.
Teaseed oil, ½c. per lb.

Reduced

Grease, ¼c. per lb.
Linseed oil, 2-10c. per lb.
Tallow, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
161.9	**161.8**	**156.2**	**100.4**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Castor, Dehydrated. — Production moving steadily to local and outside consumers. Prices maintained.

Chinawood.—Local market firmer. Good inquiry. Offerings generally light. Quotations up ¼c. to ½c. per pound.

WASHINGTON, July 18. — Tung oil prices higher and stocks lower at Hankow and Hongkong during June, according to a radiogram to Department of Commerce. No arrivals at Hankow. Sales 235 tons shipped by German firm; 35 tons by Japanese. Stocks estimated 1,160 tons. Hongkong arrivals 288 long tons consigned to independent dealers. Estimated Hongkong stocks held by Chinese government representatives 300 tons.

Coconut.—Second-hand crude offerings reported freer here and Pacific coast. Reports of sales locally at 7c. to 7¼c. Ocean freights reported easier, copra and coconut oil. First-hand crude oil offerings scarce; quotations nominal. Refined steady; demand fair.

Corn.—Offerings light, crude and refined. Quotations nominal.

Cottonseed. — Edible steady. Demand good.

Olive.—Inquiry fairly active. Spot stocks generally light. Tone firm.

Peanut.—Crude scarce and nominal. Acreage of peanuts grown alone for all purposes this year 2,374,000 acres; last year 2,390,000.

Perilla. — Prices advanced ½c. Stocks light and diminishing. Inquiry fairly active.

Rapeseed.—Firm at recent advance. Demand fair.

Soybean.—Prices generally maintained by producers. Second-hand offerings reported at concessions. Acreage of soybeans grown alone for all purposes this year 9,990,000 acres; last year 10,528,000 acres.

There was no trading in soybean oil futures in the New York Produce Exchange, from July 14 to July 18, inclusive. Following is a price record for the week:—

	—Cents per pound in tanks— High.	Low.	Close.
October	...	...	9.85 nom.
December	...	...	9.80 nom.

Teaseed.—Stocks light. Quotations advanced ½c.

Markets at Other Centers

Chicago, July 18.—General vegetable oil market remains quiet.

COCONUT.—Refined, edible oil, 13c. to 13½c. per pound, drums, car lots; 13½c. to 14c., drums, less than car lots.

CORN.—Crude, mills, 12¼c. to 12½c. per pound; refined, edible oil, 14c. to 14¼c. per pound, drums, car lots; 14½c. to 14¾c., drums, less than car lots.

PEANUT.—Crude, South, 11¼c. to 11½c. per pound.

SOYBEAN.—Crude, July-forward, 9½c. to 9¾c. per pound.

The market for soybeans on the Chicago Board of Trade was quieter. Following is a price record, per bushel, for the week:—

	High.	Low.	—Closing— July 18	July 11
Cash, No .2.	$1.51	$1.47¾	$1.47¾	$1.49¼
Oct.	1.43¼	1.37¾	1.38⅛	1.40½
Dec.	1.44⅝	1.38½	1.39¼	1.41⅜

San Francisco, July 16.—Edible vegetable oils easy; paint and varnish oils somewhat stronger. Trade good.

COCONUT.—Sales at 5¾c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Business has been large, operations starting at 6½c., and scaling downward. Bookings said to be mainly through September-October.

CHINAWOOD.—Buying interest good. Syndicate controlled oil 30½c. per pound in tankcars.

OITICICA.—Solid oil 18½c. per pound in drums; liquid at 19½c., f.o.b. San Francisco. Stocks comparatively light.

BABASSU.—Stocks light. Nominal at 8¾c. per pound in tankcars, f.o.b. Pacific Coast mills.

PERILLA.—Quoted 18¼c. per pound in tankcars, f.o.b. Pacific Coast for July-August shipment.

RAPESEED. — Argentine oil, refined and denatured, August-September shipment from the Coast at 9½c. per pound in tankcars.

Linseed Oil

Flaxseed crop news favorable. Market tone easier. Linseed oil reduced. Flaxseed receipts at New York last week, 70,418 bushels.

Flaxseed.—DULUTH, July 18.—Flax declined during the week on lack of interest and the prediction that the government crop forecast of 30,018,000 bushels will prove too conservative. Ideal conditions continue to exist and many experts feel that the flax-growing States will show a larger total acreage than last year.

The week's closing flaxseed price range was as follows:—

	Cash.	July.
Saturday	$1.93¼	$1.90½
Monday	1.90½	1.88¾
Tuesday	1.89¼	1.87¾
Wednesday	1.90½	1.87
Thursday	1.89	1.87½
Friday	1.88½	1.85½

Crop movement in bushels follows:—

	—Receipts— 1941.	1940.	—Shipments— 1941.	1940.
This week..	41,825	39,204	7,465	67,424
Since Aug. 1.	11,259,567	4,700,318	8,861,221	4,350,954

MINNEAPOLIS, July 18.—To date there has been no let-up in the demand for cash flax in spite of the rather definite assurance that a new crop of size will soon be harvested. Stocks in local elevators continue to decrease freely in the face of fairly liberal receipts. Farmers still have old flax to sell and are disposing of it before the new yield is ready to market. Local crushers are the aggressive buyers. Trade in futures was quite active last week, with crushers buying on a scale down. Most of the selling has been for the account of farmers or country shippers. Crop conditions remain excellent on the average and farmers will be cutting new seed in southern Minnesota, South Dakota and northern Iowa within the next ten days.

The week's closing flaxseed price range was as follows:—

	Cash.	July.	Sept.
Saturday	$1.93¼	$1.90½	$1.91¼
Monday	1.90½	1.87½	1.88
Tuesday	1.89½	1.86½	1.87½
Wednesday	1.90½	1.87	1.88½
Thursday	1.89	1.85½	1.87
Friday	1.88½	1.85	1.86½

Crop movement in bushels follows:—

	—Receipts— 1941.	1940.	—Shipments— 1941.	1940.
This week..	170,800	5,600	36,400	5,600
Since Sept. 1.	12,029,200	4,113,000	2,087,400	2,325,500

WINNIPEG, July 11.—The week's closing flaxseed price range was as follows:—

	Cash.	July.	Oct.
Saturday	$1.62	$1.62	$1.51⅝
Monday	1.59	1.59	1.49⅞
Tuesday	1.60	1.60	1.50¼
Wednesday	1.57½	1.57½	1.49⅝
Thursday	1.57½	1.57½	1.50⅞
Friday	1.57½	1.57½	1.51⅜

BUENOS AIRES., July 18.—Flaxseed, August, 75¼c. per bushel. Exports this week, 692,000 bushels, including 543,000 to the United States. Total since January 1, as follows:—

To—	—Bushels— This year.	Last year.
United States	9,153,000	8,638,000
United Kingdom	940,000	5,837,000
Continent	618,000	11,852,000
Orders	.....	606,000
Others	824,000	601,000
Totals	11,535,000	27,564,000

Visible Supply

	Bushels.
Last week	13,780,000
Previous week	12,205,000
Last year	5,118,000

Linseed Oil.—An easier tone developed in the local market for linseed oil last week, this apparently being a reflection of the favorable flaxseed crop outlook and a downward tendency in flaxseed prices in domestic markets. Oil quotations were reduced two points by crushers. Withdrawals on contracts continued liberal, but new business was quiet, many consumers and dealers being disposed to await further developments in the crop situation as well as in the markets for other commodities. Northwestern advices in some cases were to

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the effect that the government crop estimate of 30,018,000 bushels was too low. Cash flaxseed was in good demand. Planting of the new flaxseed crop in Argentina is in progress and the prospects are reported as very favorable.

MINNEAPOLIS, July 18.—Linseed oil quiet. Buyers wanted to get an idea regarding crop promise as expressed in the government report and now that the report has been issued apparently are waiting to see how fast the farmers will market their new production. Crushers have from two to three weeks instructions on their spindles and are operating at top speed.

Quotations on tankcar lots f.o.b. Minneapolis, 10.4c. per pound, cooperage car lots 11.3c. per pound, warehouse lots 11.7c. per pound.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week.....	5,950,000	3,150,000
Since Sept. 1.....	174,790,000	135,980,000

SAN FRANCISCO, July 16.—Linseed oil quiet and easy. Tankcars, 10c. per pound; drum lots, ex mill, 10.9c.; drum lots, ex warehouse, 11.3c.

Cake and Meal.—Tone steady. Domestic meal trade fairly active.

MINNEAPOLIS, July 18.—It is estimated that crushers have contracted to deliver between 50 and 60 percent of their prospective linseed meal output up to the end of the year. Shipping instructions on maturing contracts are not as good as recently.

Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, July-August shipments $32 to $32.50, September-December shipments $32.50 to $33, January forward $33 to $33.50.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week.....	6,480,000	5,080,000
Since Sept. 1.....	330,731,000	179,160,000

Cottonseed Oil

Refined oil futures irregular. Trading quieter. Southern markets for cottonseed products generally firm.

Cottonseed Oil. — The principal event was the publication of the monthly cottonseed report from the Census Bureau. This appeared on Monday. Consumption during June, as indicated by the report, was disappointing, the takings being 323,316 barrels, or anywhere from 50,000 to 75,000 barrels below the expectations of many in the trade. In the previous month the consumption was 377,948 barrels and in June last year 263,999 barrels. During eleven months of the season ended with June, consumption amounted to 3,548,856 barrels against 3,124,659 barrels in the same time last season. The visible supply decreased 292,700 barrels during June against a decrease of 232,500 barrels in the same month last year. The total visible on June 30 was 1,184,000 barrels against 1,580,800 barrels a year ago.

Trading was much quieter, many local and other operators being disposed to await further developments, especially as to the expected government ceiling prices. The market was irregular, changes in quotations being within comparatively moderate limits much of the time. Crude oil offerings continued very light in Southern markets. Offerings of copra and coconut oil as well as soybean oil from second hands were reported at lower prices. Many other vegetable oils remained firm with offerings scarce. Lard, cotton and other speculative commodities had a downward trend at times. Hog prices rose to new high levels. Reports concerning the progress of the cotton crop were unfavorable in not a few instances, especially in the matter of weevil activity.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from July 14 to July 18, inclusive, comprised 358 contracts. Following in a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
January	11.39	11.35	11.28@11.32
March	11.52	11.52	11.37@11.52
September	11.63	11.31	11.49 sale
October	11.37	11.25	11.35@11.38
December	11.45	11.16	11.27@11.30

Crude, Southeast, 10½c. Nom.

Chicago, July 18.—Cottonseed oil remains quiet. Ruling prices are:—Refined, edible oil, 13¾c. to 14c. per pound, drums, car lots; 14¼c. to 14½c., drums, less than car lots.

Cake and Meal.—A steady tone continued to prevail. Meal trade was quieter.

Markets at Other Centers

Atlanta, July 16.—The cotton crop is threatened with serious boll weevil damage in the Southeast. Heavy initial infestation following a mild winter, is being made serious by continued showers that wash off poisons as fast as applied.

Eight percent meal $31.50 to $32 per ton, mill points. Prime crude oil is not quoted but bids of 11 cents and more per pound are reported.

Memphis, July 18.—Crude cottonseed oil trade practically at standstill. Quoted nominally 10½c., Valley. Meal, 41 percent, $31 per ton, Memphis. Bulk cake, $28 per ton, Valley. Bulk hulls, $5.50 per ton; sacked, $8.50. Weather warm. Frequent showers. Considerable boll weevil appearing. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	July 9.	July 17.
September	$30.00@30.50	$30.75@31.25
October	30.35@30.75	31.65@31.90
December	31.25@31.55	32.00@32.15
January	31.25@31.50	32.25@32.50

Closing soybean meal futures:—

October	$28.00@28.50	$28.75@29.00
December	28.00@28.50	28.70@—
January	28.25@28.50	28.75@—

Fatty Acids

Capric Acid. — Steady contract movement. New business fairly active. Market firm.

Castor Oil.—Quotations maintained. Tone firm. Demand fairly active.

Coconut Oil. — Market remained firm. Steady movement to makers of soaps and cosmetics.

Cottonseed oil.—Buyers holding off in some cases for further developments in raw material.

Red Oil.—Firm at recent advance. Steady contract withdrawals. New business good.

Stearic Acid. — Market remained firm. Steady movement on contracts and transient orders.

Chicago—July 18

Fatty acids are firm to strong with buyers exhibiting considerable interest. Corn oil, double distilled, 14c. to 14¼c. per pound, tankcar; 14½c. to 14¾c., drums, less than car lots; 15c. to 15¼c., drums, less car lots; coconut oil, acidulated, 15c. to 15¼c. per pound, tankcar, nominal; 15½c. to 15¾c., drums, car lots; 16c. to 16¼c., drums, less car lots; cottonseed oil, double distilled, 12¾c. to 13c., tankcar; 13¼c. to 13½c., drums, car lots; 13¾c. to 14c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3¼c.; boiled down soap stock, 65 percent basis, 4c. to 4¼c.; cottonseed foots, 50 percent basis, 3c. to 3¼c.

Fish Oils

Cod.—Spot supplies small. Primary and local quotations nominal.

Sardine.—Refined oil firm in company with crude. Demand fairly active.

Sperm.—Increased inquiry noted. Market firm.

Whale.—Refined oil in fair demand on spot. Quotations firm.

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Markets at Other Centers

Baltimore, July 16.—Crude menhaden oil sold at 57½c. to 58c. per gallon. Later sellers asked 60c. Fishing reports are spotty, but the fish are yielding more oil.

San Francisco, July 16.—Sardine oil quiet. Oregon and Washington fishing operations were said to have improved during the last few days, but no statistics available on the quantity of oil turned out. Both sections of Alaska are said to be spotty. Present estimate on the quantity of oil sold ahead on contract in California is in the neighborhood of 700 tankcars.

Fats and Greases

Grease.—Demand fairly active. Offerings light. Market ¼c. lower.

CHICAGO, July 18.—Choice white grease, 7¾c. to 8c. per pound; yellow, 7½c. to 7¾c.

Lard.—Domestic cash trade fairly active. Price changes moderate. Hog market stronger.

CHICAGO, July 18.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing July 18.	Closing July 11.
Cash	$10.40	$10.05	$10.10	$10.27
Oct.	10.80	10.27	10.37	10.57
Dec.	11.00	10.45	10.55	10.77

Stearin.—Local spot inquiry fairly active. Market tone firm.

CHICAGO, July 18. — Prime oleo stearin, 10c. to 10½c. per pound.

Tallow. — Offerings generally light. Fair request for moderate lots. Market ¼c. lower.

CHICAGO, July 18.—Inedible tallow, prime, 7⅞c. to 8c. per pound; special, 7¼c. to 7⅜c.

Animal Oils

Degras.—Spot stocks generally light or moderate. Trade fairly active. Market firm.

Lard.—Firm at recent advance. Domestic demand fairly active. Export trade quiet.

CHICAGO, July 18.—No. 1 lard oil, 11½c. to 11¾c. per pound.

Neatsfoot.—This oil has been placed on the government priority critical control list. Market firm. Good inquiry.

Oleo. — Increased request. Spot stocks reported light. Tone firm.

CHICAGO, July 18.—Extra oleo oil, 11c. to 11½c. per pound.

Tallow.—Quotations stationary. Demand fairly active. Market firm.

CHICAGO, July 18.—Acidless tallow oil, 11c. to 11½c. per pound.

Waxes

Bees.—Strong. Advancing. Crude expensive and likely to go higher. Offerings of same small. White bleached wax higher at 46c. to 47c. per pound for slabs; 47c. to 48c. for cakes; and 48c. to 49c. for discs. Refined yellow, 41c. to 42c.

Candelilla.—Demand boiling due to extraordinary prices paid for carnauba wax. Prices firm under excellent control.

Carnauba.—Prices continue to rise in Brazil. Spot following. Importers say current spot market does not fully reflect replacement cost. No. 3 chalky, ton lots, 72c. per pound, nominal; No. 3 North Country, ton lots, 74c., nominal; No. 1 yellow, 78c. to 79c.; No. 2 yellow, 76c. to 77c. Refined, as high as 80c. asked.

Ceresin. — Late advance supported by excellent request.

Japan.—Steady at 19c. to 20c. per pound. Fair request.

Cottonseed Crushings Up

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held from August 1 to June 30, 1941, and 1940, according to the Census Bureau, were as follows:—

Cottonseed

	Tons 1941.	Tons 1940.
Receipts	4,470,613	4,051,896
Crushed	4,319,409	4,109,255
On hand, June 30.	190,046	65,267

Crude Oil

	Pounds 1941.	Pounds 1940.
Produced	1,398,657,366	1,311,118,146
Shipped	1,396,855,343	1,338,029,889
On hand, June 30.	52,540,864	66,133,757

Refined Oil

	Pounds 1941.	Pounds 1940.
Produced	1,295,474,595	1,243,223,858
Shipped	.....	.....
On hand, June 30.	369,588,877	553,395,207

Tung Oil Cultivation

—Continued from page 3

years old, the average yield was over 3,400 pounds of whole dried fruit, equivalent to 640 pounds of oil per acre. In another out of trees, nine years old, a little farther apart we obtained a yield of 2,500 pounds of whole dried fruit per acre, equivalent to about 500 pounds of oil per acre.

Residue from pressing the nuts shows an analysis of 5 percent to 6 percent ammonia and a small amount of potash and phosphorus and is a good fertilizer. The pressing is a simple operation almost automatic and entirely mechanical.

Pressing plants have been established and the nuts may be sold for cash on a basis of the oil content, or they will press the nuts and return the oil and the residue, charging $5 to $7 per ton for pressing.

One man and two to four laborers will run a small pressing plant. A small pressing plant will cost $14,000 to $18,000, according to the buildings. It would require 2,500 to 3,000 acres to justify the erection of a small pressing plant. However, such a plant could be built on a unit basis so as to effect economical expansion without loss.

New Uses of Oil

Tung oil is a necessity in many established industries and would be used more extensively and in many other industries if a reliable supply were available. Among new uses is for bringing out of the high colors of ink, and makers of pressed board have recently commenced using tung oil in tankcar quantities; they had not used it previously.

Ink is now being made from the light-colored American tung oil and extensively used in a new process which shows the first improvement that has been made in printing of cloth for many years. The process is simple and the printing is done at the rate of 500 to 600 feet per minute and the colors are faster than any other process.

In considering the price of the commodity an average should be taken over a period of years. From official reports of tung oil prices a ten-year average shows 14½ cents per pound, today it is worth 30 cents per pound.

Tung oil blends with linseed oil and increases the wearing quality and produces a better finish and smoother film. We import half of the flaxseed we use at a cost of over forty million dollars a year. If sufficient tung oil were available to supplement this importation of flaxseed you can readily see that the industry could be brought up to a position of importance that would stop the sending out of the country these large amounts.

The average production of flax seed will run from 150 to 160 pounds of oil per acre. Exceptional tung oil trees have in a single year produced over 30 pounds of tung oil. Flaxseed is an annual, subject to diseases and weather conditions from the time the seed are put in the ground until they are returned to the mill for crushing, and each year you start all over again.

Tung oil trees have been planted in test plots in this country for over twenty-eight years and the bearing age of the tung oil tree should certainly be at least twenty-five to thirty years. Chinese Wilson, one of our own agricultural explorers considered one of the best authorities on China, states that the life of the tree should be forty to fifty years.

Our operations reduce the human labor to a minimum. The Chinaman does everything by human power even the pressing. He leaves enough oil in the cake to pay our expenses of pressing.

The tung oil trees require quite a large amount of nitrogen, potash, and phosphorus, and as the yield of the nuts increase these elements must be added in sufficient quantities to replace what the tree has taken out and enough more to take care of the increased yield. It is quite important to use nitrogen, phosphorus, and potash in a form that is best suited to the tree. Then again, the oil has no fertilizer value and the hulls and residue from pressing returned to the grove help cut down the fertilizer costs so the important thing is, first, to get the most prolific and carefully bred trees in sturdy vigorous condition. Plant them where the soil is most favorable, having both depth and quality for root development and where the climatic conditions are most favorable and plant only where the air drainage is good.

Breeding up the trees we have increased the yields 100 percent over the original random trees, still confronted with cross fertilization if bred from selected seed and root influence where we graft and bud.

We hope that through research we will be able to produce through cuttings some of our most perfect trees that are prolific bearers and shaped best to carry the load. If we would root these cuttings from these character trees we could reproduce the identical tree.

Advantage in Fertilizing

To show the effect of fertilization and breeding here are some of the results of 1940. A grove of about 600 acres, that represents some of my best breed trees, properly fertilized, another grove of 1,600 acres reported by its owner and another grove of 1,200 acres reported by its superintendent, I use this comparison. In the 600-acre grove the average yield of nuts was 4,166 pounds per acre. In the 1,600-acre grove, reported by the owner, the yield of nuts was 2,500 pounds per acre. In the 1,200-acre grove, reported by the superintendent, the yield was 2,000 pounds per acre.

The importance of fertilization is shown in the oil content of the nuts. On the 600-acre grove the nuts showed over 4 percent more oil than the random nuts on the small groves in the same locality. Now each 1 percent increase of this 1940 crop at today's prices means $6,250; so 4 percent increase would be $25,000. This increased oil on the 600-acre grove is due to proper fertilization which also increased the nuts on the grove and shows that the increased oil will pay all the costs of the grove.

There is still much work to be done and practical scientific research will greatly advance the growing of tung trees. However, the most difficult problems are behind us and here is a staple crop, a necessity, now on the priority list, which can not be overproduced in many years to come. We need over one million acres planted to supply the present consumption. We know the best locations—the land is available—the best tree stock is available—and we know how to grow and care for these trees.

Once a year we have reports of substitutes for tung oil making great claims, but nothing has yet equaled tung oil.

The first tankcar of American tung oil was shipped in 1931 from the 1930 crop, weight 60,000 pounds. The 1940 crop is not yet all pressed but indications are approximately 6,000,000 pounds of oil.

Cake and Meal

	Tons 1941.	Tons 1940.
Produced	1,917,714	1,862,651
Shipped	1,771,471	1,871,460
On hand, June 30.	225,744	110,900

Hulls

	Tons 1941.	Tons 1940.
Produced	1,086,835	1,043,780
Shipped	926,210	1,087,042
On hand, June 30.	181,539	33,825

Linters

	Bales 1941.	Bales 1940.
Produced	1,183,725	1,061,906
Shipped	1,133,606	1,362,739
On hand, June 30.	179,459	178,483

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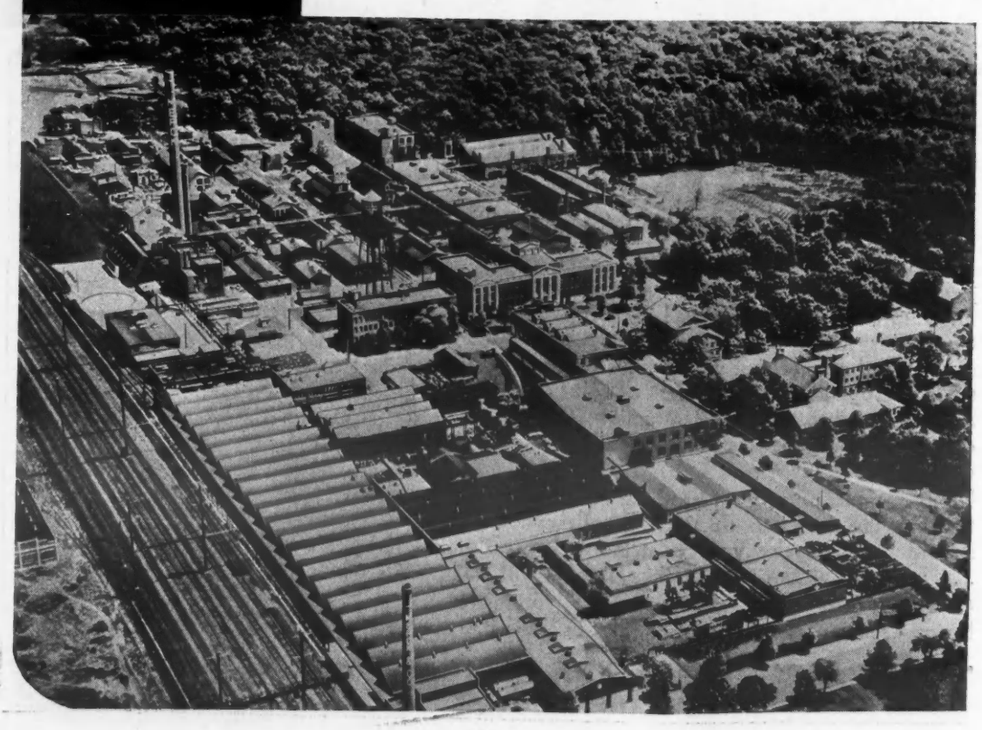

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Drugs, Fine Chemicals

Resale Citric and Tartaric Acid, Acetone, Formaldehyde, Caffeine and Theobromine Bring High Prices—Menthol Advanced—Castor Beans Reduced

Activity in the resale market for drugs and fine chemicals grew in size and influence throughout the past week. Scarcity of many items among producers, and the presence of substantial demand, forced many buyers to trade in resale quarters at prices far above the official schedules of the manufacturers. Such trading was prominent in the instances of citric and tartaric acid, acetone, caffeine, formaldehyde, and theobromine.

Quicksilver ruled strong along with all derived materials and sales were active on the basis of the recent advances. Scarcity of methanol led to talk of its use as an antifreeze in motor cars being stopped next winter. Methyl acetone was in excellent request and available supplies were small to meet other than contract commitments.

Santonin showed strength and the tendency of prices was upward. Glycerin was in calmer mood, there being less clamor on the part of some would-be buyers. Quinine was firm and active. Demand for alcohol continued apace and expanding production was needed to care for the growing needs of manufacturing consumers. Menthol at higher prices showed the market to be sensitive to the danger that political developments in the Far East might reduce, or even suspend, shipments to this country.

Acetanilide. — Technical and U.S.P. moving well. Very firm prices.

Acetone. — Active. Ready market for all production. Resales last heard of around 15c. per pound.

Acetophenetidin.—Selling freely in substantial quantities. No surplus supply.

Tartaric Acid

Ten years ago, in 1931, German tartaric acid shipments to the United States totaled 1,901,670 pounds out of a total arrival of 2,245,920 pounds, according to Department of Commerce data. The remaining 344,250 pounds came from Italy, the Netherlands, Canada, United Kingdom, Spain, and Switzerland, of importance in the order named.

In 1941, the first quarter, imports totaled 441 pounds, comparing with the 1931 quarterly average of 561,480 pounds. That is what the war has done to imports.

Domestic production in 1931 totaled 5,181,020 pounds, by Bureau of the Census figures. In 1937, production reached 10,642,830 pounds from four establishments. Imports in 1937 were down to 327,030 pounds, and Germany supplied but 77,800 pounds of the total. The balance came from Italy, says the Department of Commerce. It appears that domestic production had cut into the market for imported acid and that Italy had supplanted Germany as the main shipper to the United States.

Domestic acid production has dropped since the war began. To conserve reduced supplies, the OPM requires exporters to get a license to ship to places other than the British Empire.

Production dropped because of a fall in raw material imports by an estimated 17,156,800 pounds since the 1939 total of 31,745,000 pounds. Decreased output, and a rise of raw material costs estimated at $313 per short ton, have forced sharp price advances. Despite microscopic scrutinizing of orders received by the producers, acid is being "bootlegged" at substantial premiums over producers' prices. The price structure follows:—

		Cents per pound on August 25.
1931,	domestic	30½
	imported	29½
1936,	domestic	24
	imported	23
1939,	domestic	27¼
	imported	27¼
Current price, domestic resale		63½
		70

Price Changes

Advanced

Menthol, 10c. per lb.

Reduced

Castor beans, $3.50 per long ton

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
212.8	212.5	210.9	203.7

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Boric. — Strong and active. Stocks still subnormal. No report of strike in second largest plant having been settled.

Acid, Citric.—Demand ahead of supply. Production distributed with extreme care. Export orders reaching makers usually turned down.

Acid, Gallic.—Very firm at recent advance. In excellent demand. Production cost maintained at high level.

Acid, Mandelic.—Call sustained at excellent volume. Very firm prices. Little competition.

Acid, Pyrogallic.—Recent price rise maintained in strong, active market.

Acid, Tannic.—Stocks conservative. Producers hold strong prices recently established by advance.

Acid, Tartaric. — Demand heavy. Production spoken for far ahead. Domestic consumers totally dependent on home production. Little change for foreign manufacturers to reach here. First quarter imports, this year, were only 441 pounds. Resales in neighborhood of 70c. per pound reported.

Agar.—Turn of events in Japan not propitious for normal shipments. Also, fewer steamers reach here. Spot very firm.

Alcohol.—Excellent demand. Consumption needs expanding steadily. Production expected to gain under total efforts of distillers. Raw material position strong.

Aloin.—No further price rise. Market firm. Demand active. Production costs tend higher.

Ammonia Benzoate. — Strong, but apparently stable prices. Activity sustained at excellent volume.

Bismuth Metal and Salts.—Volume fine. Prices hold firm in most instances. Metal price apparently frozen for time being.

Cadmium Metal.—Price in London recently raised to 5s. 4d. to 5s. 5d. per pound, equal to $1.06 to $1.08 per pound. Was 4d. rise. Reflects higher transport costs and expected to increase production. British needs supplied from Empire by-product production in electrolytic zinc plants. Used heavily in industries linked with war effort.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

HIGH VITAMIN POTENCY
FISH LIVER OILS
(NATURAL VITAMINS A and D)
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SULFAPYRIDINE N.N.R. (*and Sodium Monohydrate*)
SULFATHIAZOLE N.N.R. (*and Sodium Monohydrate*)
Nicotinic Acid U. S. P.
Aminoacetic Acid N. N. R.
Nicotinic Acid Amide
Mandelic Acid U. S. P.
Diethylamide of Nicotinic Acid (Nikethamide)
Methylene Blue U.S.P. (Powder—Crystals)
Sulfanilamide U. S. P.
Calcium Mandelate
Cinchopen N. F.
Saligenin
Neocinchophen U. S. P.
Glutamic Acid HCL
2-Methyl-1, 4 Naphthoquinone
PHENOTHIAZINE
(For Veterinarian Use)
Certified Colors for Pharmaceutical Use

Pharmaceutical Department
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
BOUND BROOK Calco NEW JERSEY

Caffeine.—Strong market. Demand ahead of domestic supplies. Producers hold prices frozen. Resales around $9. An importation of twenty cases from Brazil was reported.

Camphor.—Crisis in Japanese cabinet may forecast change in availability of Japanese camphor for export to United States. Market undertone developing strength.

Castor Oil.—Excellent consumption holds oil prices strong. No raw material weakness. Brazil sold at $69 per long ton last midweek, a drop of $3.50 from previous asking prices.

CHICAGO, July 17.—Castor oil prices are:—Cold pressed, U.S.P., returnable drums, car lots, 12¼c. per pound; drums, less than car lots, 13c.; tanks, 11⅜c.; No. 3, extracted, returnable drums, car lots, 11⅜c.; drums, less than car lots, 12¾c.; tanks, 11⅛c.

Codliver Oil.—Demand very good. Best season lies ahead. Government buying oleo-vitamin oils. Undertone very firm. Not the least suggestion of price shading.

Ephedrine.—Steady at late decline. Seasonal gain in demand expected to rise in not distant future.

Formaldehyde.—Resales around 35c. to 40c. per pound reported. On that basis, the raw material would cost around $3.50 per gallon. One gallon methanol yield about 10 pounds formaldehyde. Tank price of producers ranges 4c. to 4¼c. per pound as to seller.

Fishliver Oils.—Halibut oil more available locally. Price holds at $36 per gallon. Shark oil available only in limited quantities.

SAN FRANCISCO, July 16.—All ranges of potencies, vitamin oils, in very strong hands. Market higher. Some high-range oils in stock again. In very light supply.

Ruling prices are:—

CRUDE SOUPFIN SHARK LIVER OIL.—High potencies, 100,000 to 150,000 U.S.P. units vitamin A per gram quoted at 12c. per million units. 70,000 to 90,000 units, 10c.; 50,000 units, 8c.; 25,000 to 40,000 units, 7c.; lower potency, upward of 10,000 units, 6½c. Prices mostly nominal, as oil not freely offered.

CRUDE TUNA LIVER OIL.—Ranging in potency, 20,000 U.S.P. units vitamin D per gram, 60c. per million units.

Glycerin.—Market calmer. Less clamor from certain type of would-be buyers. Refiners take firm, reserved position. Report good business of normal variety.

CHICAGO, July 17.—Glycerin price, C.P., tanks, 14¼c. per pound; drums, car lots, 14½c.; less car lots, 15c.; cans, less car lots, 16½c. to 17c.; high gravity, tanks, 13¾c.; drums, car lots, 14c.; less car lots, 14½c.

Hexamethylenetetramine.—Raw material shortage keeps production conservative. Strong position.

Menthol.—Market rises to $4.35 to to $4.45 per pound. Japanese situation scrutinzed closely in view of cabinet resignation. Fewer ships reach here from Japan and China. Stiff rise in price would follow stoppage of shipments.

Methanol.—Shortage gives rise to belief that use as antifreeze in motors may be curtailed if not ended. Strong, active demand. Limited supplies.

Quicksilver.—Strong market. Limited spot stocks. Futures in demand. Prices $190 to $192 per flask. Disposition to make $192 minimum noted.

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SAN FRANCISCO, July 16.—Market stronger. Sales quantities limited. Spot quicksilver, $187 per flask, f.o.b. San Francisco. Good inquiry. Futures being discounted.

Quinine.—Activity normal. Very firm market. Japanese commandeering of cargo carriers keeps dangerous position of Netherlands Indies to the fore.

Santonin.—Strong. Seasonally active. Sellers reserved. Advance maintained.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce—Bullion—		
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	24	34⅝	23⅝
Monday	24	34⅝	23⅞
Tuesday	24	34⅝	23⅝
Wednesday	24	34⅝	23⅝
Thursday	24	34⅝	23⅝
Friday	24	34⅝	23⅝

Theobromine Alkaloid. — Resale goods held for $8.75 per pound. First-hand quotations purely nominal.

F.T.C. Hits Pooling Sales Through Agent

—Continued from page 4

uniform resale prices at which it is sold at retail in their territory; (2) allotted trade areas to each respondent producer within which the charcoal of each is to be sold, and severally and reciprocally limited the respective quantities of hardwood charcoal which each respondent sells and delivers to customers in the respective allotted trade areas, thereby, in effect, adopting a quota system; (3) refrained from soliciting each other's customers; (4) penalized distributors and dealers who sell below the respondents' fixed resale prices, by cutting down shipments to such dealers and distributors or by entirely refusing them shipments; (5) refused to sell certain distributors and dealers of hardwood charcoal, thus cutting off entirely their supply of that commodity; (6) established the sizes of the bags in which hardwood charcoal is to be packaged for retail sale; and (7) established so-called "pool territories" in which the production of any one of the respondent producers may be sold.

Wildroot Company, Inc., Buffalo, N. Y., will build two units at its plant in that city, at a cost of more than $50,000.

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Citric Acid
Ethylene Diamine
Lecithin
Sodium Perborate
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PRODUCTS CORPORATION
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MAGNESIUM SALTS
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Despite crop shortages, ship sinkings, and wholesale devastation abroad, Penick's customers are, almost without exception, getting their requirements of botanical supplies.

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Some botanical buyers have been surprised to find Penick able to supply items generally believed to be unobtainable. Many more buyers, consequently, have turned to Penick as their "primary source of supply for botanical raw materials."

Remember, whatever your botanical needs, check first with Penick

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Obituaries

William Hall Campbell

William Hall Campbell, president of Garrigues, Stewart & Davies, glycerin, quicksilver, chemicals and oils, this city, died July 12 at Plainfield, N. J., after an illness of several weeks. Mr. Campbell was identified with the chemical business in New York for forty-four years and during the World War period held a dominant position in the quicksilver and glycerin industries. He was fifty-nine years old.

Kalden-Keystone

William Hall Campbell

Born in this city on February 18, 1882, Mr. Campbell was educated in the public schools, together with evening courses in business schools. In 1897, he joined the Charles F. Garrigues Company as an office boy. Upon Mr. Garrigues death in 1909, Mr. Campbell purchased the business. The firm name was changed in 1927 to Garrigues, Stewart & Davies, Inc., and Mr. Campbell continued as president to the time of his death.

Surviving are his wife, Mrs. Mabel Raper Campbell, a son, William H. Campbell, jr., two daughters, Miss Dorothy R. Campbell and Mrs. Charles H. Detwiller, jr., and a sister, Mrs. Edward Y. Davies.

Roscoe B. Crabbs

Roscoe B. Crabbs, former president of Philip Carey Company, Inc., manufacturer of insulating materials and roofing, Cincinnati, died July 15 of pneumonia in Morristown, N. J. He was fifty-eight years of age. Mr. Crabbs was associated with the Carey company for thirty-five years and was also vice-president of the Philip Carey Manufacturing Company until four years ago, when he went to Morristown to join R. J. Funkhauser & Co.

Aaron A. Lowenstein

Aaron A. Lowenstein, of Taylor, Lowenstein & Co., naval stores manufacturer, Mobile, Ala., died in that city July 8 after a brief illness. Mr. Lowenstein entered the naval stores business in 1905 when he formed a partnership with Thomas J. Taylor. The company was one of the first houses to combine all classes of naval stores operations within one organization.

A. P. Davenport, of the Nu-Enamel Oklahoma City Company, died July 11. He was sixty-four years of age.

Capt. Herbert N. Edwards, for many years master of the fishing fleet of the Triton Oil & Fertilizer Company, died July 13 at Amagansett, L. I., after a long illness. He was seventy-one years old.

William T. Strauss, for six years general manager of the Premo Pharmaceutical Laboratories, Inc., this city, died July 14 in his home in Huntington, L. I. He was sixty-one years of age.

Botanical Drugs, Spices, and Gums

Collection of Some Domestic Botanicals Not Satisfactory—Line as Whole in Fair Shape — Prices Paid for New Production Far Above Normal

Reports on domestic collections suggest that gathering of botanical drugs was running considerably behind normal in the experience of one large dealer. Others have indicated that fair progress had been made, the line as a whole being considered.

All agree that to get goods into warehouse, substantially higher prices have had to be paid the much fewer than normal number of field workers.

Also, all agree that there are numerous specific items the collection of which has thus far run behind normal. But considering domestic botanicals as a whole, the total of collections is not expected to be sharply under normal totals. At least, that is what local dealers say, although not all dealers agree.

Demand in the market last week continued to be very good and the basic position of prices was strong to firm. Imported goods were definitely within the above specifications and, unfortunately, it is unlikely that supplies will be available in quantities sufficient to bring quotations to lower levels.

Balsams

Copaiba.—Firm to firmer. Moderate gain in activity.

Peru.—Strong. Limited stocks tend higher in price.

Barks

Buckthorn.—Purely nominal market. Limited stocks priced on receipt of inquiries.

Cocillana.—No surplus stock likely when leading consuming season arrives. Firm undertones.

Elm.—One dealer reports very small collection. Others report fair progress. Prices show firmness here.

Soap.—Arrivals slow and irregular from primary market. Prices firm.

Wild Cherry.—Fair reserves being built against next Winter's needs.

Beans

Calabar.—Firm but not active.

Vanilla.—Demand excellent. Stocks small. Some varieties exhausted in certain quarters. Quotations tend to be nominal.

Berries

Prickly Ash.—Collections likely to be less than usual. Workers lacking.

Sloe.—Russian berries not likely to reach here. Collection of domestic berries stimulated.

Price Changes

Advanced

Cassia, China, rolls, select, ½c. per lb.
broken, selected rolls, ¾c. per lb.
Saigon, 4-10-4, 3c. per lb.
10-6-2, 3½c. per lb.
all thin, 4½c. per lb.
Niger seed, 4½c. per lb.
Paprika, Portuguese, fancy, 6½c. per lb.
Spanish, extra fancy, ½c. per lb.
Pepper, black, Alleppey, ¼c. per lb.
Lampong, ¼c. per lb.

Reduced

Coriander seed, ¼c. per lb.
Cumin seed, Cyprus, ½c. per lb.
Indian, ¼c. per lb.
Clove, Zanzibar, 1¾c. per lb.
Gold of pleasure seed, 1c. per lb.
Pimento, Jamaica, 1½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
273.8	273.8	261.6	207.8

Market news that may have developed after this report was sent to press will be found on page 4.

Pyrethrum

Pyrethrum flowers, derived originally from Persia, were first grown commercially in Dalmatia, formerly an independent European state, recently a component of Yugoslavia, and now a German province.

Extensive cultivation in Hokkaido, Japan, eventually gave that country control of the world markets, control being perfected through cultivation by Japanese co-operatives and sales through a sales office close to the government.

Control of world markets was wrenched from the Japanese when cultivation in the Kenya Colony, British East Africa, produced flowers with a pyrethin content far higher than either Japanese or Dalmatian flowers.

In 1939 Japan was the largest shipper, followed by British East Africa, Yugoslavia, Brazil, Italy, United Kingdom, and the Belgian Congo, in the order named.

British East Africa (Kenya Colony) sells on the basis of a New York assay. That fact, plus the very high pyrethin content, makes Kenya Colony a preferred source of supply. Japan sells on Japanese assay before shipment.

Imports and Prices

Imports of pyrethrum flowers shown by the Department of Commerce are:—

	Pounds.
1939—Total	13,569,300
Jan.-Apr., total	4,243,500
1941—Jan.-Apr., total	907,900

Pyrethrum prices are currently as follows:—Coarse ground, 21c. to 22c. per pound; fine powder, 22c. to 23c. The quotations on August 25, 1939, were:—Coarse powder, 33c. to 36c.; fine powder, 35c. to 37c. Pyrethrum concentrate, 20-1 concentration, is now selling at $4.40 per gallon; 30-1 concentration, $6.50. This compares with August 25, 1939, at $7.15 for 20-1 concentration, and

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags— Detained.	Entered.
Anise	190	1,434
Belladonna	19	25
Caraway	...	207
Cardamom (cases)	10	1,649
Celery	35	1,052
Coriander	16,396	31,549
Cumin	3,101	12,439
Digitalis leaves (cases)	...	...
Dill	3,118	16,626
Fennel	196	1,614
Henbane leaves (bales)	150	170
Mustard	...	9,449
Poppy	130	3,153
Sage leaves (bales)	405	4,387
Sesame	776	7,499
Stramonium	...	...
Thyme	915	1,377

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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✓ANISEED
✓ARECA NUTS
✓ASAFOETIDA GUM
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✓BUCHU LEAVES
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✓CUDBEAR
✓CINCHONA BARK
✓COCILLANA
✓DAMIANA Select
✓DERRIS
✓DIGITALIS (116% Active)
✓DOGGRASS CUT
✓ERGOT (140% Active)
✓EUPHORBIA PIL.
✓FENNEL SEED
✓GALANGAL ROOT
✓GINGER
✓GUAIAC GUM Glassy
✓HAWTHORNE BERRIES
✓HOREHOUND
✓INSECT FLOWERS
✓IPECAC ROOT
✓IRISH MOSS
✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
✓PSYLLIUM SEED
✓QUASSIA
✓QUINCE SEED
✓RHUBARB ROOT
✓SARSAPARILLA
✓SENEGA ROOT
✓SENNA LEAVES
✓SQUILLS
✓STRAMONIUM
✓UVA URSI
✓WILD CHERRY BARK
✓PALE ROSE BUDS

◆ ◆ ◆ ◆ QUOTATIONS AND SAMPLES ON REQUEST ◆ ◆ ◆ ◆

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IMPORTERS, MILLERS AND MANUFACTURERS OF PROFESSIONALLY MILLED, ANALYZED CRUDE DRUGS
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It PAYS to use KELCO Alginates

KELCO Alginates have the property of forming highly viscous solutions or colloidal suspensions when mixed with water. This makes them ideal for use as bodying, suspending, stabilizing and emulsifying agents.

Only a very small amount of KELCO Alginate is required. The cost per unit of your finished products is reduced.

Made in U. S. A. from domestic raw materials to exact, rigid specifications, uniform quality KELCO Alginates are always available for prompt and uninterrupted delivery.

The Alginates are ready to use — no boiling, filtering or other special handling is required.

It *pays* to use KELCO Alginates.

Use KELCO Alginates

in Textile Printing—pastes, discharge pastes, direct dye printing, etc.
in Cosmetics—shave creams, tooth pastes and powder, lotions, hand jelly, ointments, soapless shampoo, etc.
in Latex Adhesive mixtures
in Boiler Compounds
in Suede Leather—leather dressings
in Cold Water Paints
or wherever a gum, gum-like material, or hydrophilic colloid is required.

KELCO
SODIUM ALGINATE PRODUCTS

KELCO COMPANY
75 EAST WACKER DRIVE CHICAGO
31 NASSAU ST. NEW YORK
530 W. SIXTH ST. LOS ANGELES

Flowers

Chamomile. — Interest sustained. Stocks closely held in strong hands. No disposition to sell other than carefully.

Clover.—Fair but not large collection domestic item noted. Fairly high prices paid.

Pyrethrum.—Still fairly easy in undertone. Competition keener. No further drop in open quotations.

Rose.—Outlook for further arrivals pale flowers not good. Steamer connection with main source seriously impaired.

Saffron.—Unrelenting strength in Spanish flower prices. Demand conservative.

Gums

Arabic.—Undertones gain strength. Prices show upward tendency. Fair stocks exist in strong hands. Danger of stoppage of primary market shipments very real.

Asafetida. — Very firm. Tending higher as stocks shrink and replacement becomes more difficult. Demand conservative.

Karaya. — Transport cost rising. Cables from source show strength. Local quotations firmer.

Mastic.—Holders reserved. No bargain offerings now. Replacement of current supply doubtful.

Tragacanth.—Strengthening so far as future positions go. Demand very good. Textile industry showing growing needs. Quotations rarely shaded.

Herbs and Leaves

Belladonna. — Very firm. Dealers await results of moderate domestic production.

Buchu.—Doubt concerning collection of next crop. Doubt also regarding availability steamers and cargo space. Local prices firm.

Laurel. — Little interest shown. Prices high and firm.

Peppermint.—Domestic goods collected at rising costs. Carryover moderate. Little foreign material still available.

Stramonium. — Limited stocks in strong hands. Prices strong. No major expansion of domestic collection.

Miscellaneous

Areca Nuts.—Still some tendency to shade. No open change in prices.

Ergot.—Considerable competition in not too active market. No additional drop in quotations.

Kamala.—Very good inquiry and sale. Prices gain strength.

Manna. — Purely nominal article. Main dependence of users centers in chemical equivalent.

Roots

Belladonna. — Limited stocks conserved by strong dealers. Prices mentioned show substantial range in views. Domestic production likely to command high prices.

Cube.—Definitely stronger and upward in tendency. Demand excellent.

Derris. — Consumption active and satisfactory. Replacement costs up and likely to go higher. Prices on powder tends to advance further.

Mandrake.—Some report drop in collection. Others say no surplus likely. Strong market expected to prevail.

Senega.—Winnipeg saying little. No signs of probable cost new crop. Local quotations very steady.

Seeds

Coriander.—Shaded to 10c. to 10½c. per pound. Expected Indian seed may go to oil makers.

Cumin.—Cyprus seed shaded to 19c. to 19½c. per pound. Indian, 16¼c. to 16¾c. Fair call.

Gold of Pleasure.—Lower at 19c. to 20c. per pound. Comparatively dull market.

Mustard.—Firm. No weakness in domestic markets. California standing tight. Montana to have fairish crop.

Niger.—Advanced to 15c. to 16c. per pound. More trading.

Sabadilla.—Very firm. Some want sharp price premiums. High as 28c. noted against low of 22c. for powder.

Spices

Cassia.—Strong. Advancing. China and Saigon goods up last week. Rolls, selected, 14c. to 14½c. per pound; broken, extra select, 13½c. to 14c.; Saigon, No. 1, 4-10-4, 27½c. to 28c.; 10-6-2, 30c. to 30½c.; all thin, 32c. to 32½c. Due to threat of Japanese aggression.

Clove.—Zanzibars down to 14¾c. to 15¼c. per pound. No other changes.

Paprika.—Huge shipments Spanish pepper reach here. More than 5,000 bags reported. Weigh 110 pounds each. Prices holding. Portuguese sharply higher at 33c. to 35c. per pound. Spanish, extra fancy, 42½c. to 43c.

Pepper.—Black Alleppy up to 8¾c. to 9¼c. per pound. Lampong, 6c. to 6.20c. Reds and whites show stability based on basic strength. Stocks, New York warehouses reporting, May 31, 558,871 bags. June 30, 578,915 bags.

Trading in black pepper futures on the New York Produce Exchange from July 14 to July 18, inclusive, comprised 97 contracts. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
March	6.06	5.86	6.06@6.07
September	5.90	5.73	5.85@5.90
December	5.97	5.82	5.96@5.98

Pimento.—Spot Jamaica down to 27c. to 27½c. per pound. Shipment, July-August, 26c. to 26½c.; August-September, 25½c. to 26c.; September-October, 24c. to 24½c.

Dr. G.D. Beal Awarded 1941 Remington Medal

—Continued from page 5

the first Remington Medal, in 1920.

Dr. G. D. Beal has the degrees of pharmaceutical chemist (Scio 1906), doctor of pharmacy (Scio 1907), master of arts (Columbia 1910), doctor of philosophy (Columbia 1911). He taught chemistry at Scio College of Pharmacy for several years and was a member of the faculty of the University of Illinois, holding a full professorship in 1926, when he resigned to become assistant director of Mellon Institute. He has been a member of the U.S.P. revision committee through three revisions, and is chairman of the subcommittee on organic drugs.

Ergot of Super Potency Produced by Spray Process

Australian scientists have succeeded in producing ergot with a potency far higher than normal, according to dispatches from Melbourne. Ergot normally is obtained from rye afflicted wtih disease of a fungous character and its potency is variable above and below the U.S.P. standard of 0.5 milligram of ergotoxine ethanesulphonate.

Research workers in the Island Continent developed a technique whereby growing rye was sprayed with a fungous solution. The plants developed a vigorous fungous growth which, when tested, possessed a potency from four to nine times that of the Spanish or Russian products. The experiments were made in the State of Victoria.

The dispatches reveal nothing concerning the methods of testing for potency, nor do they indicate to what extent, if any, commercial application may be made of the experimental success.

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Essential Oils, Aromatic Chemicals

Scarcities Thrust Essential Oil Prices Steadily Higher —Geranium and Cananga Have Few Holders—New Crop Peppermint Considered High—Fine Demand

Demand for essential oils and aromatic chemicals continued under full head of steam last week and the problem of supplies was more than ever a very difficult one. Of special note was the wave of demand for substitutes and compounds that ran at flood tide and pressed the productive capacity of suppliers severely.

High volume demand for vanillin was reported. Productive capacity of one large maker has been expanded to meet the emergency and the new output, plus the high volume of production of other makers, was expected to meet needs.

Cananga and geranium oils were notable for scarcity and higher prices last week. Bois de rose continued to advance because of scarcity. Cassia rose further and demand was excellent. Java vetiver was in fair supply but sellers' prices ranged widely, far more so than usual.

Caraway offerings were more general but higher prices were uniformly strong. Sweet birch from the South was up, while that from the North was down. One seller quoted closer on cajeput but the bulk of suppliers had far higher price views than he.

New crop peppermint prices developed but no business resulted, the figures being considered high. Spearmint on spot was advanced but continued rise was not likely, as new crop is ahead.

Essential Oils

Almond. — Strong. Undersupplied. Good demand.

Amber.—None quoted spot. None offered for future arrival.

Angelica.—Small stocks in strong hands. Prices maintained. Few sellers.

Anise.—Market holding well. Minimum price rules in one quarter only.

Bergamot.—Only one lot offered. Price $20 per pound.

Birchtar.—Crude higher at 90c. per pound. Only one lot offered. One lot of rectified held for $1.50. Most dealers report stock exhausted.

Cajeput.—Technical shaded to 82c., one quarter. U.S.P. IX down to 84c. Other prices range 90c. to $1.10 per pound on technical; U.S.P. IX, 95c. to $1.25; U.S.P. X, $1.10 to $1.45. Range has broadened substantially.

Camphor.—Prices steady. Market apparently stabilized.

Cananga.—Higher. Three spot sellers. One minimum at $8.75 per pound for crude; other two inside at $9. Rectified oil, minimum at $9.25 per pound, one seller. Others lowest at $10. Fewer spot holders.

Caraway.—Advanced $1 to $10.50 to $12 per pound. Four spot dealers quote $10.50, $11, $11.75, and $12 per pound, respectively.

Cardamom.—Very firm. Moderate demand. Limited stocks.

Cassia.—Higher at $3 to $3.50 per pound. Two sellers at $3. Two at $3.25. One at $3.50. Very firm undertone.

Celery.—Not much call. Strong prices backed by light supplies.

Clove.—Weakness noted in spice. Oil holds firm. Good demand.

Coriander. — Advance maintained readily. Tendency toward further rise.

Croton.—Advanced to $2.40 to $3 per pound. Three out of five dealers lack supplies. One holder minimum at $2.40. Other holds at $3 per pound.

Cumin.—Range broadened. Still lowest at $8 per pound, one seller. Two others quote $10 and $12 per pound, respectively.

Dill.—Stronger situation maintained. Stock distribution poor. Demand likely to broaden in Fall.

Eucalyptus.—Signs of gaining activity. Prices very firm.

Geranium.—Advanced $1 per pound. Either African or Bourbon oil brings $13.50 to $14 per pound. Only three out of five dealers offering. One seller at minimum price.

Ginger.—Very strong. Raw material advance maintained. Good demand. Sellers highly reserved.

Hemlock.—Very firm, well stabilized prices. Fair call.

Lemon.—Excellent activity. Demand hammers hard against domestic production. Production pressed to meet the call.

Lemongrass.—Ranging $1.75 to $1.90

Price Changes

Advanced

Birchtar, crude, 30c. per lb.
Bois de rose, 25c. per lb.
Cananga, natural, 50c. per lb.
rectified, 25c. per lb.
Caraway, $1 per lb.
Cassia, 5c. per lb.
Croton, 5c. per lb.
Geranium, African, $1 per lb.
Bourbon, $1 per lb.
Linaloe, 10c. per lb.
Spearmint, 10c. per lb.
Sweet birch, southern, 10c. per lb.
Vetiver, Java, $1.25 per lb.

Reduced

Cajeput, technical, 3c. per lb.
U.S.P. IX, 3c. per lb.
Sweet birch, Northern, 25c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
206.8	203.8	203.3	128.9

Market news that may have developed after this report was sent to press will be found on page 4.

Lemon Oil

The United States would be practically bare of lemon oil stocks had not the California cooperatives begun sustained and expanding production in about 1920. They set up a country-wide distribution system in about 1926. In 1936, domestic oil was admitted as a U.S.P. product and a sane sales program plus fair dealings made it possible for California oil eventually to supply fully 75 percent of domestic needs.

Italy, prior to 1920, completely dominated the domestic market. Only Italian oil was U.S.P. In that year, she shipped 750,700 pounds of oil to the United States, according to the Department of Commerce. In 1936, when domestic oil became U.S.P., Italian imports dropped to 149,150 pounds. in 1937, they were down to 88,619 pounds, and in 1939, the record was 149,410 pounds.

Thus, between 1920 and 1939, imports dropped fully 80 percent, clear indication that domestic oil had command of the home market. Imports in the first quarter of 1941 were down to 8,690 pounds, evidence of what the war has done to arrivals. The corresponding quarters in 1939 and 1940 were 23,590 pounds and 20,702 pounds, respectively.

The REPORTER first quoted domestic oil in 1922 and the following price dates seem informative:—

	Per Pound.
Domestic oil, Aug. 25, 1922	$ 0.70
Aug. 25, 1936	1.75
Aug. 25, 1939	2.50
Current Quotation	3.25
Italian Oil, Aug. 25, 1920	1.40
Aug. 25, 1922	.65
Aug. 25, 1936	1.75
Aug. 25, 1939	3.20
Current price, nominal	5.50

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

A Big Economy Plus
For Lemongrass Users
OIL LEMONGRASS
SUBSTITUTE No. 619 MM&R
Closely approximates Genuine Oil Lemongrass Native in odor and character. Its economy of use and quality make it ideal for perfume and odor coverage in laundry and toilet soaps, liquid soaps, polishes, insecticides, fly sprays, disinfectants and innumerable other products.
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STANDARD SYNTHETICS

Distillers of Essential Oils. Manufacturers of Aromatics, Perfume Bases, and Terpeneless Essential Oils.

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Citronella, Cloves, Lemongrass, Lavender, Geranium
Also Lemon, Orange, Lime, Peppermint Oils, etc.

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TOMBAREL
Supreme Flower Essences
Surfine Essential Oils
Basic Perfume Materials
Special Perfume Creations for All Purposes
Tombarel Products Corp.
9-11 East 19th Street, New York, N.Y

per pound with only two sellers quoting. One at each end of range. Forwards in most uncertain position.

Linaloe.—Higher at $2.60 to $2.85 per pound. No two dealers agree on price. Three quoting name $2.60, $2.70, and $2.85 respectively.

Orange.—Very firm. Under excellent request. Prices well maintained. Stocks moderate. Market exists for every pound of domestic oil produced.

Peppermint.—Primary market suggests $3.25 per pound as opening for new crop oil. No takers here. Considered high in view of lost export market. Loss in exports balanced by removal of Russian oil as competing factor.

Spearmint.—Higher. Ranging $2.55 to $2.80 per pound. Five of local dealers quoting, respectively, $2.55, $2.60, $2.70, $2.75, and $2.80 per pound.

Sweet Birch.—Northern oil lower at $2.50 to $3.25 per pound. Two sellers name $2.50 and $2.65 per pound respectively. One holds for $3. Two others want not less than $3.25. Southern oil shaded to $1.60 to $1.75 per pound, with three dealers only quoting; $1.60, $1.65, and $1.75 per pound named, respectively.

Vetiver.—Java advanced $1.25 per pound. Market ranges $8.50 to $11 per pound. No two dealers agree on price. Four offering name $8.50, $10, $10.50, and $11 per pound, respectively. Scarce and high due to difficulty in getting replacements.

Aromatic Chemicals

Acetophenone.—Quiet. Steady.
Amylcinnamic Aldehyde.—Steady.
Amyl Acetate.—Price firmer.
Amyl Butyrate.—Sales gain.
Anethol.—Well stabilized.
Benzaldehyde.—Strong and scarce.
Benzyl Alcohol.—Strength grows.
Benzyl Cinnamate.—Demand gains.
Benzyl Formate.—Prices firm.
Benzyl Propionate.—Inquiry up.
Benzyl Salicylate.—Much firmer.
Benzylidinacetone.—Stabilized.
Bromstryol.—Much more active.
Cinnamic Aldehyde.—Firmer.
Citral.—Raw material strong.
Citronellal.—Good movement.
Citronellol.—Price strong.
Diacetyl.—Volume maintained.
Diphenylmethane.—Good activity.
Diphenyl Oxide.—Price maintained.
Ethyl Benzoate.—Rather routine.
Ethyl Butyrate.—Sales rise.
Ethyl Cinnamate.—Strong tone.
Ethyl Oenanthate.—Sales expand.
Ethyl Oxyhydrate.—Broad call.
Ethyl Vanillin.—Very active.
Eugenol.—Demand holds steady.
Eucalyptol.—Sales to gain.
Geraniol.—Steady movement.
Heliotropine.—Good call.
Hydroxycitronellal.—Demand good.
Linalool.—Demand expanding.
Linalyl Acetate.—Fine request.
Methyl Acetophenone.—Routine.
Methyl Cinnamate.—Firm prices.
Methylhexyl Ketone.—Fair call.
Methylnaphthyl Ketone.—Active.
Vanillin.—Demand runs high.

Toilet Goods Ass'n Sets Up Materials Exchange Bureau

Essential Oil and Other Materials Exchange Bureau has been established by the Toilet Goods Association, this city. Setting up of such a bureau was voted at the recent convention of the association. The purpose of the bureau is to provide a central clearing house where there will be listed stocks of materials in the hands of manufacturers of perfumes and cosmetics, over and above their requirements for such materials. The object of this registration is the exchange of such stocks for other materials of which the manufacturer may be short.

A questionnaire issued by the association asked (1)—The list of the raw materials which you particularly need and which are not available from your usual source of supply (2)—A list of the materials which you are willing to exchange for the materials which you need, which list must show (a)—Name and brand of material (b)—Quantity available for exchange or disposal (c)—Approximate value.

Antoine Chiris Company, Inc., essential oils supplier, has named as vice-presidents P. A. Shay and George Besler. Mr. Shay was also named to the directorate.

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What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Three-hundred-eighty-fifth Instalment

Pharmaceuticals

Flavorings, Synthetic, for Pharmaceutical Preparations

(Continued from July 14 issue)

Hexyl alcohol
Hexyl butyrate
Hexyl formate
Hxeyl valerinate
Hexylenic aldehyde
Isoamyl acetate
Isoamyl alcohol
Isoamyl anisate
Isoamyl butyrate
Isoamyl formate
Isoamyl heptylate
Isoamyl ketone
Isoamyl valerate
Isobutyl acetate
Isobutyl alcohol
Isobutyl benzoate
Itobutyl ketone
Isobutylphenylacetate
Isobutyl propionate
Isoeugenol
Isopropyl isovalerate
Ketone C 16, R, and V
Linalyl acetate
Linalyl formate
Linalyl valerate
Menthol
Methyl anthranilate
Methyl cinnamate
Methyl salicylate
Methyleugenol
Methylisoeugenol
Methylsalicylate ether
Nerolin
Octyl valerianate
Oenanthic ether
Orania 3196 and 2850
Paraisopropylphenyl-acetaldehyde
Pelargonic ether
Peskone
Phenylbutyl ketone
Phenylethyl acetate
Phenylethyl butyrate
Phenylethyl cinnamate
Phenylethyl formate
Phenylethyl phenylacetate
Phenylethyl propionate
Phenylethyl valerate
Phenylpropyl acetate
Propionic ether
Propyl acetate
Propyl butyrate
Propyl cinnamate
Propyl isobutyrate
Propyl isovalerate
Propyl propionate
Propyl valerate
Rhodinol
Rhodinol acetate
Rhodinol butyrate
Rhodinol formate
Rhodinol propionate
Salicylate ether
Sebacylic ether
Spirit of nitrous ether
Terpineol
Univol
Valerinanic ether
Vanillal
Vanollil

Pineapple

Preservatives Used in Pineapple Juice

Calcium acetate
Calcium carbonate
Fruit pith
Magnesium acetate
Magnesium carbonate
Sulphur dioxide

Synthetic Pineapple Flavors

Aldehye C-17
Bromelia
Betanaphthyl ethylester

Pitch

(Coaltar)

Solvents for Coaltar Pitch

Acetone
Amyl acetate
Acetylene tetrachloride
Anilin
Benzene
Benzene-toluene mixture
Benzin
Butyl acetate
Carbon bisulphide
Carbon tetrachloride
Chloroform
Dichloromethane
Fatty oils
Formyl trichloride
Gasoline
Heptane
Hexamethylene
Hexane
Hexyl alcohol
Isoheptane
Isohexane
Isopentane
Kerosene
Ligroin
Methylbenzene
Methylene chloride
Methylhexamethylene
Methylpentamethylene
Naphtha (heavy)
Nitrobenzene
Octane
Pentamethylene
Pentane
Petroleum ether
Petroleum ether with carbon bisulphide
Petroleum ether with chloroform
Petroleum naphtha
Phenylmethane
Pine oil
Rosin oil
Rosin spirit
Solvent naphtha, heavy
Toluene
Triclene
Trichloroethylene
Turpentine
V.M. and P. naphtha
Wood oil, light
Xylene

Plant Juices

Clarifiers for Plant Juices

Absorbit
Activated carbon
Albumen
Casein
Darco
Diafilt
Gelatin
Isinglass
Klearit
Norite
Nuchar
Pectinol
Super-filchar

Filtering Mediums for Plant Juices

Aluminum hydrate
Aluminum sulphate
Asbestos
Betonite
Blood charcoal
China clay
Filtros
Kaolin
Kieselguhr
Paper
Super-filchar
Tripoli

Preservatives for Plant Juices

Benzoic acid
Calcium sulphite
Carnation oil
Citric acid
Methyl parahydrobenzoate
Methyl salicylate
Salicylic acid
Sodium benzoate
Sulphurous acid
Tannic acid
Tartaric acid

Plants

Agents for Stimulating Growth of Plants

Abattoir refuse
ADCO
Aerobic bacteria
Aero cyanamid
Agrico
Agrimite
Albite
Algae, marine
Alkali nitrates
Alkali phosphates
Alkali salts
Alkali silicates
Alkali sulphates
Alkali-earth carbonates
Alkali-earth compounds
Alkali-earth nitrates
Alkali-earth phosphates
Alkali-earth sulphates
Almond rind ash
Aluminum phosphate
Aluminum sulphonate
Ammonia
Ammonifying bacteria
Amonium acetate
Ammonium bisulphate
Ammonium borate
Ammonium carbonate
Ammonium chloride
Ammonium citrate
Ammonium fluoride
Ammonium hydroxide
Ammonium phosphate
Ammonium process lime mud
Ammonium pyrosulphate
Ammonium salts
Ammonium sulphate
Ammonium-calcium phosphate
Ammophos
Animal bone
Animal tankage
Apatite
Arcadian nitrate
Ashes
Bacillus azotobacter
Bacillus coli
Bacillus radiciocola
Bacillus rossica
Bacteria (acid-forming)
Bacterial flora
Bagasse
Barks
Beet sugar residue
Bicalcic phosphate
Blast furnace flue dust
Blast furnace slag
Blood
Bone
Bone ash
Bone dust
Bone phosphate
Boneblack
Bonemeal
Borates
Bran
Calcium acid phosphate
Calcium cyanamide
Calcium diacid phosphate
Calcium phosphate
Calcium polysulphide
Calcium salts
Calcium-ammonium nitrate
Calcium-sodium phosphate
Calnitro
Carbohydrates
Carbohydrates, nitrated
Carbon
Carnallite
Castor pumace
Cellulose sulphite liquor

(To be continued)

Petroleum Products

Market Very Active as Refined Products Grow Tighter—OPACS Allows California Crude Oil Advance—Asks No Further Increases Without Prior Consultation

Increased production of refined petroleum products last week failed to offset the heavy demand and the general market remained active and strong. Suppliers continued to encounter difficulty in filling orders. The paint trade was calling for large amounts of various solvents and naphthas. Stocks of some lighter fractions continued to dwindle. Crude and refined paraffins were very tight. Advances were registered in prices on Midcontinent and Pennsylvania lubricating oils.

The Office of Price Administration and Civilian Supply last week notified California oil producers that no reduction in California crude prices will be requested at this time. The action was contingent upon an understanding that there will be no further increase in crude prices without prior consultation with OPACS. All refiners and marketers also were requested not to increase refined prices without prior consultation. The OPACS action was based on a cost study undertaken on the basis of data submitted by the producers following a meeting with OPACS officials in San Francisco.

A further diversion of American tankers to the British, expected in the near future, is bound to aggravate the situation on the Atlantic seaboard and probably will necessitate more drastic action than previously contemplated to avert an acute shortage in the East.

Solvents and Diluents

Aromatic Naphthas.—Demand remained heavy. Producers further curtailed offerings. Shipments lighter due to tight stocks. Some grades unavailable. Prices firm and unchanged.

Cleaners' Naphtha.—Large call. Inquiries more numerous. Price firm.

Lacquer Diluent.—Better than normal movement reported. Demand very heavy. Price steady.

Mineral Spirits.—Large demand from paint industry. Both contract call and new business more active. Prices firm and unaltered.

Rubber Solvent.—Good movement to rubber trade. Inquiries active. Tone stable.

Stoddard Solvent.—Suppliers reported active demand. Shipments large. Prices firm.

V.M. & P. Naphtha.—Large movement into consumption. Demand heavy. Price steady.

Price Changes

Advanced

Oil, lubricating, at refineries, Group 3, bright stocks, ½c. to 1c. per gal.
neutrals, ½c. to ¾c. per gal.
Pennsylvania, bright stocks, 2c. per gal.
cylinder oils, 600-630 flash, ½c. per gal.
neutrals, 2c. per gal.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Chicago—July 18

Interest continues to grow in solvents and diluents. Offerings are relatively small, and the price structure seems to be hardening. Needs of consuming industries are reported growing.

AROMATIC NAPHTHAS.—Orders brisk, prices strong.

CLEANERS' NAPHTHA.—Movement good, prices firmer.

LACQUER DILUENT.—Interest insistent, market stiff.

MINERAL SPIRITS.—Buyer interest heavy, prices strong.

RUBBER SOLVENT.—Orders active, no price change.

STODDARD SOLVENT.—Good demand. Market steady.

V. M. & P. NAPHTHA.—Buying brisk, quotations firmer.

New Orleans—July 18

The domestic market on cleaning solvent and V.M. & P. naphtha continued to experience a seasonal demand, with prices exhibiting the usual steady trend.

CLEANING SOLVENT.—Demand routine; price steady.

V.M. & P. NAPHTHA.—Movement normal; no change in prices.

San Francisco—July 18

Demand is normal to better in the solvents and diluents field here. In particularly active call at present are aromatic naphthas. Thinners and diluents are being purchased in brisk fashion. Solvents are routine.

AROMATIC NAPHTHAS.—Very broad demand.

PETROLEUM THINNERS.—Active demand.

LACQUER DILUENT.—In good call.

V. M. & P. NAPHTHAS.—Market active.

RUBBER SOLVENT.—Normal.

STODDARD SOLVENT.—Routine.

CLEANERS' NAPHTHA.—Routine.

Tulsa—July 18

Heavy demand for all specialties came into the market this week as a result of further activity in various heavy and minor industries. Shipments have become the heaviest of the season and promise to continue at the current rate.

CLEANERS' NAPHTHA.—Demand more active. Prices firm.

STODDARD SOLVENT.—Broader inquiries. Prices steady.

V.M. & P. NAPHTHA.—Demand brisk. Quotations firm.

RUBBER SOLVENT.—Heavy call. Prices strong.

MINERAL SPIRITS.—Inquiries increased. Prices strong.

LACQUER DILUENT.—Vigorous bidding. Quotations healthy.

Lighter Fractions

Butane.—Heavy demand. Stocks tight. Offerings limited. Price firm.

Heptane.—Good movement. Inquiries more numerous. Price steady.

Hexane.—Buying and ordering on contract active. Shipments heavier. Price steady.

Octanes.—Broader demand. Price firm.

Pentanes.—Better than normal movement. Price steady.

Propane.—Stocks dwindling rapidly. Sales curtailed. Heavy demand. Price firm.

Markets at Other Centers

Chicago—July 18

All grades of the lighter hydrocarbons are being closely held by suppliers at firm to hardening prices. Inquiry shows no slackening, and movement of materials into consumption channels is reported good. Supplies generally are extremely tight.

BUTANE.—Supplies limited, market strong.

HEPTANE.—Buying active, prices firmer.

HEXANE.—Demand expanding, no price change.

OCTANE.—Offerings limited, quotations unchanged.

PENTANE.—Movement steady, market hardening.

PROPANE.—Excellent demand, prices stronger.

Tulsa—July 18

Increasing production appears still inadequate to meet increasing demand. Shipments continue very heavy but apparently fall short of meeting industrial requirements.

BUTANE.—Brisk demand. Quotations firm.

PROPANE.—Active bidding. Prices strong.

PENTANE.—Heavy call. Quotations unchanged.

Petrolatums and Waxes

Paraffin.—Both crude and refined paraffins were in heavy demand. Stocks were low and offerings were limited. Prices were unchanged but strictly nominal.

Petrolatums.—Heavy demand remained a feature. Prices firm.

White Mineral Oils.—Movement into consumption broader. Prices steady and unrevised.

Markets at Other Centers

Chicago—July 18

Demand appeared to be broadening on various products. Inquiries were being followed up by buying in good volume

—Continued on page 58

Ickes Names 240 Oil Leaders to Committees

OPD Washington Bureau
July 15, 1941

Petroleum Coordinator Ickes last week appointed zone and district committees throughout the United States to advise and consult with him on matters relating to the proposed coordination of the activities of the petroleum industry for national defense.

The committees, four in each of the five districts which embrace the entire country plus one central committee for each zone, were named for the production, refining, transportation and marketing branches of the industry. About 240 names, those of men widely known in the oil industry, were included in the appointments.

N.Y. Gasoline Retailers Must Post Price Placards

Mayor LaGuardia has signed a measure requiring a price placard to be posted wherever gasoline is retailed. Provisions of the law call for a sign not less than 7 inches in height and 8 inches in width nor larger than 12 inches in height and 12 inches in width. The sign must also give the name, tradename, brand, mark or symbol, and grade and quality classification of the gasoline, if any.

Liquefied Gases

Sales of liquefied petroleum gases at the end of June were running about 25 percent ahead of the similar period of 1940, when the industry made the greatest strides in expanding its markets than in any year since 1934. In 1940 sales totaled 313,456,000 gallons, a 40.2 percent increase over the 223,580,000 gallons in 1939. Present indications are that 1941 sales will reach 400,000,000 gallons.

Increased industrial activities, resulting from generally better business conditions and the national defense program, are factors in the expansion of sales of these gases. With a firm demand existing for these products, natural gasoline manufacturers no longer view them as by-products but operate their plants to recover more low-vapor pressure natural gasoline and higher yields of propane and butanes.

The importance of these gases in the export market may be seen by the ever-growing shipments from the United States. Exports in 1940 totaled 15,915,165 pounds, compared with 13,028,714 in 1939. Exports in the first months of this year were 6,350,925 pounds, compared with 4,725,176 in the similar period last year. With all petroleum products under export control, shipments may have been smaller since April.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

VIKING
Petroleum Solvents
PENTANE
HEXANE HEPTANE
PETROLEUM ETHER
LIGROIN BENZINE
LOW COST - HIGH QUALITY
Special Solvents for Specific Purposes
VIKING DISTRIBUTING CO.
K.V. BLDG. CHARLESTON, W.VA.

MASKING PERFUMES for BAD SMELLING PRODUCTS

• DEPENDABLE
• EFFECTIVE
• ECONOMICAL

JAVOLLAL—A substitute for citronella; imparts cleaner, finer odor.
METHALATE "C"—Replaces methyl salicylate in technical processes at low cost.
SAFRELLA—A low priced, effective substitute for artificial sassafras.
NEUTROLEUM—Completely neutralizes the odor of all preparations based on petroleum distillates.
•
Above deodorizing agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.

FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STORES
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND GRASSE (A.M.) FRANCE

PETROLATUMS and WHITE OILS
Buy Sherwood Quality . . . If you're aiming your product at results!
SHERWOOD
REFINING COMPANY, INC.
Englewood, N. J. Refinery, Warren, Pa.

NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N. Y.

Petroleum Products

Petrolatums and Waxes

—*Continued from page 57*

where material was found to be available. Shipments were tending to expand.

PARAFFIN. — Supplies tight, prices firming.

PETROLATUMS. — Movement better, quotations strong.

WHITE MINERAL OILS.—Demand larger, quotations firm.

Tulsa—July 18

Interest in waxes and petrolatum is at low ebb in the Midcontinent. However, quotations are very firm in all grades.

PARAFFIN.—Interest broader. Prices firm.

PETROLATUM.—Few inquiries. Prices unchanged.

Fuels and Lubricants

Gasoline.—In heavy demand. Prices firm.

Kerosene.—Good movement. No price changes.

Lubricating Oils. — Pennsylvania grades advanced. Bright stocks up 2c. per gallon to 24c. to 27½c. Neutrals hiked 2c. to 30c. to 37½c. for the 150 viscosity and to 32c. to 39c. for the 200. The 600-630 flash cylinder oils were boosted ½c. per gallon to 14c. to 16c.

Markets at Other Centers

Chicago—July 18

All products experiencing heavy call. Prices firm.

GASOLINE.—Demand at record levels, prices strong.

KEROSENE.—Interest good, no price change.

LUBRICATING OIL.—Inquiry intensive. Prices firming.

New Orleans—July 18

A conservative demand was experienced in the gasoline market during the week, with quotations remaining unaltered. There was no change in the demand for kerosene which continued normal.

GASOLINE. — Market normal; price stable.

KEROSENE.—Demand routine; prices unchanged.

Tulsa—July 18

Lubricants were advanced from ½c. to 1c. per gallon as result of strength of Eastern markets. Shipments of all products are at peak.

GASOLINE.—Seasonal expansion above normal. Prices strong.

KEROSENE.—Good demand. Prices steady.

LUBRICANTS.—Heavy bidding. Neutrals up ½c. to ¾c. at 10c. to 15¾c. per gallon. Brights stocks up ½c. to 1c. at 17½c. to 23c. per gallon.

N.J. Standard Ships Oil to East by Rail

The first shipment in many years of crude oil to the East Coast by railroad tankcars was made last week by the Standard Oil Company of New Jersey, when twenty-five cars left Lima, Ohio, destined for the company's refinery at Bayonne, N. J. Regular shipments between the two points will be continued. The crude oil is being brought to Lima by pipeline. That city is the Eastern terminal of the Buckeye Pipe Line Company.

Calif. Petroleum Gas Sales Gained 50% in 1940

A noteworthy gain in sales of liquefied petroleum gases by California marketers was made in 1940, bringing their total sales to 72,841,000 gallons. This is a 50 percent increase over 1939 sales and more than twice the 35,140,000 gallons sold just two years ago in 1938. As in previous years, internal-combustion engine fuel was the largest item of liquefied petroleum gas consumption. Such sales amounted to 39,135,000 gallons and now constitute well over half the total distribution of California marketers. "Bottled gas" sales for domestic use gained substantially during 1940 and amounted to 22,419,000 gallons, an increase of 7,364,000 gallons.

Barnsdall Oil Honors 95 Veteran Employees

R. A. Broomfield, sr., executive vice-president of the Barnsdall Oil Company, received a gold button set with diamonds, emblematic of his thirty-eight years service with the company, at the firm's recent picnic at Lake El Enchanto. T. P. Calnan and W. F. Hooley received diamond-studded gold pins for twenty years service. Thirty others were awarded fifteen-year emblems and ten-year buttons were given to sixty-two.

Defense Contracts Recently Awarded

Chemicals, oils, drugs, and related products required in connection with the program for national defense have recently been contracted for by the army and other governmental agencies to July 16 as follows:—

Army Air Corps

Engine Fuel:—$1,582,512.50, Shell Oil Company, New York; $207,400, Richfield Oil Corporation, Los Angeles, Cal.

Fuel and Oil:—$73,500, Tulsa Municipal Airport, Tulsa, Okla.

Army Medical Corps

Chloroform:—$15,810, Mallinckrodt Chemical Works, St. Louis, Mo.

Procaine Hydrochloride:—$20,765, Abbott Laboratories, North Chicago, Ill.

Army Ordnance

Ammonium Sulphate:—$541,875, The Barrett Company, New York.

Explosives:—$112,000, E. I. du Pont de Nemours & Co., Gibbstown, N. J.; $112,500, Hercules Powder Company, Wilmington, Del.

Lard Oil:—$2,187, Independent Manufacturing Company, Philadelphia, Pa.

Limestone, Crushed:—$1,610, Builders Lime and Cement Co., Davenport, Iowa.

Paint:—$1,580, Rose-Diehl Paint Corporation, Philadelphia, Pa.; $1,050, Sherwin-Williams Company, Chicago.

Pigment, Dry:—$6,462, National Lead Company, St. Louis, Mo.

Army Quartermaster Corps

Lacquer:—$6,313.50, Pittsburgh Plate Glass Company, Chicago.

Lacquer Thinner:—$330, Murphy Varnish Company, Chicago.

Cities Service Co. Asked To Divest Certain Holdings

Securities and Exchange Commission has instituted proceedings under which the Cities Service Company would be required to decide whether to retain its interests in Cities Service Power & Light Company and Arkansas Natural Gas Corporation and their subsidiaries, as well as its directly held electric and gas distribution companies, or to keep its oil and wholesale natural gas properties. A hearing would be held on the matter August 19, 1941.

Federal Specifications Revised for Exigency

OPD Washington Bureau
July 17, 1941

Exigency alternates to existing standard Federal specifications are being prepared by the Procurement Division of the Treasury Department in an effort to conserve certain materials in which acute shortages exist, it was announced today by Director Clifton E. Mack. The exigency specifications, drawn in collaboration with the Office of Production Management, are for those nonmilitary items in general Federal use in which one or more strategic materials are utilized.

By means of the alternate specifications, the division plans to minimize and in some cases to eliminate the scarce materials which now appear in many nondefense items. Already promulgated are twenty-six alternate specifications designed to conserve zinc, chromium, bronze, cork, aluminum, steel alloys, nickel, and brass. The amended specifications cover such items as corrugated ash cans and garbage cans, laundry appliances, and chain-link or welded fencing.

Under standard Federal specifications, for example, zinc is used as a galvanizer. The exigency specifications eliminate the use of zinc and substitute metallic, painted, lacquered, or enameled corrosion protective coatings. In another of the specifications, use of zinc is minimized by providing for a thinner coat of the metal through the use of electroplating rather than hot dipping.

In addition to the preparation of exigency specifications the division is intensifying its effort to bring into agreement specifications for items necessary to the defense program which now are covered by conflicting specifications of two or more governmental agencies. A list of items which should be covered by Federal specifications is being prepared for the procurement division by OPM, the War Department, and the Navy Department.

Connecticut fertilizer conference will be held in Storres, Conn., July 18.

Streamlined for GREATER EFFICIENCY

ANDERSON-PRICHARD INDUSTRIAL NAPHTHAS

Is mounting industrial activity imposing new demands upon your production department? Through our Research Laboratory we have helped countless paint, varnish and lacquer manufacturers to "streamline" their production, through improved formulae. Perhaps we can help you now! The unvarying quality of Anderson-Prichard industrial naphthas always makes for efficiency.

Atlantic Division:
D. H. LITTER CO.
NEW YORK
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ANDERSON-PRICHARD OIL CORPORATION
PRODUCERS REFINERS
OKLAHOMA CITY, OKLA.

AKRON CHICAGO KANSAS CITY DETROIT INDIANAPOLIS SOUTH BEND
CINCINNATI CLEVELAND ST. LOUIS PITTSBURGH MILWAUKEE

Canadian Representatives:
APCO PETROLEUM PRODUCTS, LTD.
MONTREAL
TORONTO

Fertilizer Materials

Activity in Raw Fertilizer Materials Continues to Slacken—Some Prices Advanced Due to Scarcity — Sulphate of Ammonia Contracting Very Brisk

Activity in the market for most raw fertilizer materials continued to slow down last week. Small price advances were reported but these were due to scarcity of the materials rather than any increases in demand. Affected were imported blood and steamed bone, and feed and fertilizer tankage at New York.

Contracting for most chemicals remained brisk although actual movement of stocks was narrow. Negotiating for new season delivery of sulphate of ammonia was active to an extent that many of the smaller independents have already contracted to dispose of most of their available supply. Potash delivery was better than normal. Urea products were very tight and not offered freely. New imported nitrate of soda prices were as yet unreported.

Nitrogenates

Anhydrous Ammonia. — Offerings small. Demand light. Prices firm.

Calcium Nitrate. — No offerings. Prices withdrawn.

Castor Pomace. — Domestic movement slow. Imported unavailable.

Cyanamid.—Offerings small. Stocks low. Prices firm.

Dried Blood. — Imported material offered at $3.30 per unit, an advance of 5c. Domestic product firm and unchanged. Demand slow.

Fish Scrap.—Previous price continued to hold for dried menhaden futures. Demand fair.

Nitrate of Soda.—Movement slower. Contracting fairly active. Prices steady.

Pyrites

As a result of the war, imports of pyrites dropped to 407,004 long tons in 1940, a 16 percent decline from the 1939 figure of 482,336. Spain, the principal source of supply, increased shipments last year, but this was more than counteracted by decreased imports from Canada. That the trend is still downward can be seen in figures for the first four months of this year, when only 57,897 tons were imported into the United States, compared with 116,398 in the similar period of 1940.

To offset the drop in imports, production in the United States in 1940 reached a new peak of 617,513 long tons, 20 percent higher than the 516,408 of 1939. Of the 1940 total, 92 percent was fines and the remainder lump, the bulk of the former being flotation concentrates.

As the major portion of domestic pyrites output is consumed by the producing companies, prices are not quoted to the trade except on specific order. The price of Spanish pyrites was 12c. to 13c. per long-ton unit of sulphur, c.i.f. ports, for a decade, but no prices have been listed in over a year due to uncertainties of shipping and production costs.

Price Changes

Advanced

Blood, dried, imp., 5c. per unit, c.i.f. ports
Bone, imp., steamed, 3% and 50%, $1 per ton, c.i.f.
Tankage, fertilizer, 25c. per unit, f.o.b. N.Y.
Feed, 25c. per unit, f.o.b. N.Y.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
69.1	69.1	68.0	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Nitrogen Solution. — Contracting satisfactory. Price steady.

Sulphate of Ammonia.—Little movement. Contracting for new season brisk. Prices firm and unchanged.

Tankage.—Prices at New York advanced 25c. per unit to $3.75 and 10c. for the fertilizer grade and $4.25 and 10c. for the feed.

Urea.—Market very tight. Supplies scarce. Prices unchanged.

Potashes

Delivery of new season potash salts remained fairly large. Contracting brisk, with consumers acting to get in prior to the conclusion of the discount period. Prices firm and unchanged, with one large domestic producer still not heard from regarding new season schedules.

Phosphates

Bone Materials. — Imported raw bone was advanced $1 per ton to $38.50. Movement of all types light due to scarcity of stocks.

Phosphate Rock.—Slow movement. Buying off. Prices firm.

Superphosphate. — Fair movement. Contracting brisk. Prices firm. Bulk production in May was 328,821 tons, compared with 288,737 in May, 1940. Total shipments were 310,346 tons, against 314,872. Stocks at the end of the month totaled 655,227 tons in 1941, compared with 735,231 in 1940.

Sulphur and Pyrites

Movement of crude sulphur was slower during the period under review. Smaller tonnages were moving to consumers. Inquiries were off. Prices were firm and unchanged.

Markets at Other Centers

Atlanta—July 18

Among reported scarce, or not on the market at present, are nitrate of soda, domestic nitrogenous, and acid fish scrap. New quotation on superphosphate at interior producing points is at 58c. per unit at plants. Cottonseed meal continues firm.

SUPERPHOSPHATE.—58c. per unit, Southeastern plants.

SULPHATE OF AMMONIA.—$29 per ton, ports; $28 at ovens.

COTTONSEED MEAL—Eight percent grade, $31.50 to $32 per ton, Southeastern mills.

BLOOD.—$3.30 per unit, c.i.f.

TANKAGE.—Very scarce.

Fertilizer Tag Sales: June

	P.C. of	Equivalent tons June		P.C. of	July-June		
	1940.	1941.	1940.	1939.	1939-40.	1940-41.	1939-40.	1938-39.
Virginia	100	9,246	9,289	11,252	101	400,047	396,772	418,982
North Carolina	61	20,176	32,852	24,639	101	1,095,327	1,084,721	1,207,654
South Carolina	107	17,352	16,250	14,179	105	712,115	678,449	672,753
Georgia	51	7,224	14,210	6,024	108	793,601	736,836	736,179
Florida	102	28,714	28,200	18,581	105	612,230	582,667	547,686
Alabama	84	5,900	7,050	7,010	100	578,050	576,350	552,600
Mississippi	101	9,750	9,675	733	99	342,455	345,010	293,478
Tennessee	81	1,648	2,040	1,170	110	148,387	135,112	133,911
Arkansas	250	750	300	772	117	119,650	102,600	70,822
Louisiana	132	1,780	1,350	1,600	101	171,474	169,678	150,046
Texas	343	1,114	325	205	114	133,354	116,758	92,738
Oklahoma	750	120	16	15	157	10,790	6,872	7,533
Totals South	85	103,774	121,557	86,180	104	5,117,480	4,931,820	4,884,382
Indiana	193	35,354	18,300	656	115	345,264	299,213	265,053
Illinois	203	75	37	...	124	62,101	50,079	42,648
Kentucky	48	4,325	9,021	6,975	101	124,799	123,715	111,201
Missouri	100	20	20	2	134	97,701	73,044	66,421
Kansas	...	...	55	...	133	20,786	15,624	15,992
Totals Midwest	145	39,774	27,433	7,633	116	650,651	561,675	501,315
Grand Totals	96	143,548	148,990	93,813	105	5,768,131	5,493,495	5,385,697

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

★ Domestic SULPHATE OF AMMONIA AND AMMONIA LIQUOR
MADE IN U.S.A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
REG. U.S. PAT. OFF.
MURIATE OF POTASH
62/63% K_2O
Also 50% K_2O
MANURE SALTS
22% K_2O Minimum
UNITED STATES POTASH COMPANY INCORPORATED
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

P.C.A. Red Muriate is ideal in your plant operation--Uniform in color--Uniform in analysis--Uniform in grain size.
Granular Muriate of Potash
Muriate of Potash 50% and 60%
Manure Salts
P.C.A. RED MURIATE
POTASH COMPANY of America
GENERAL SALES OFFICE
50 BROADWAY NEW YORK CITY

Baltimore—July 11

Rising prices for some crude fertilizer materials were reported, but the advances served to hold down the buying because of the uncertainties that prevail in business.

FISH SCRAP.—Fish factories are disposed to show marked firmness in their ideas of prices. Sellers are asking $4.60 and 10c. for futures, with indications that still higher quotations will be set. Menhaden meal is quoted at $65 to $66 per ton, with offerings not heavy.

SUPERPHOSPHATE.—Run-of-pile material still at $9 per ton, with 16 percent flat stocks at $10. Buying is not heavy.

TANKAGE.—Quiet and well sold up, with last business done at $4.25 and 10c. per unit-ton, basis Baltimore.

DRIED BLOOD.—Trading continues quiet, with sellers asking $3.50 per unit-ton. South American stocks are held at $3.30.

BONE.—A fair amount of business is being done in this organic, with 4½ and 60 ground raw stocks ranging around $37 to $38 per ton, while 3 and 50 ground steamed material rules at approximately $36.

Chicago—July 18

The fertilizer materials market remains rather quiet and a little erratic, with prices not greatly changed and with offerings rather adequate in relation to expressed demand. Buyers have been taking normal amounts.

BLOOD.—Principal grade, $3.65 per unit.

TANKAGE.—High grade, $4.50 and 10c.; hoof-meal, $2.65 to $2.75; liquid stick, $1.50 to $1.75.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $36; 4½ and 50 percent, $37.50; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $32.50 to $37.50; pork cracklings, soft pressed, $47.50 to $50; beef cracklings, soft pressed, $45 to $47.50; hard pressed cracklings, per unit of protein, 90c. to 95c.

San Francisco—July 18

Fertilizer sales are still going on in a more or less hand-to-mouth manner. Purchasing of organics is more spasmodic and there doesn't seem to be much interest in animal products. Fish meal is slightly stronger. Chemicals are quiet.

SULPHATE OF AMMONIA.—$38 per ton in 100-pound bags.

NITRATE OF SODA.—100-pound bags, $29.40 per ton, ex-vessel or warehouse; 167-pound bags, $28.70. Bulk, $27.

SUPERPHOSPHATE.—Domestic, 83c. per unit in bulk, f.o.b. San Francisco. Bags, 99c.

FISH MEAL.—Futures, $69.50 per ton for 67% protein materials, f.o.b. San [illegible] Bay points. Monterey, 65% protein, $69.

BLOOD MEAL.—$3.50 per unit, f.o.b. cars, San Francisco; $3.25 at Los Angeles.

BONE MEAL.—From $40 to $47 per ton, delivered.

J. J. Dempsey Made Interior Undersecretary

OPD Washington Bureau
July 14, 1941

John J. Dempsey has been sworn in as undersecretary of the interior, a post left vacant by the resignation of Alvin J. Wirtz. The oath was administered in the presence of Secretary Harold L. Ickes and ranking officials of the department. Mr. Dempsey served as a member at large from New Mexico in the house from 1935 until 1941. He was a member of the United States Maritime Commission until called to replace Mr. Wirtz.

Maine fertilizer conference will be held in Poland Spring, Me., August 7-8.

Western Resources Study By U.S. Nears Completion

—*Continued from page 4*

and the investment of private capital in the development of the mineral industry and the production of essential and useful minerals, and (3) conserving such mineral resources to the fullest extent which is consistent with their proper development and utilization.

Secretary Ickes of the Department of the Interior, cooperating with O'Mahoney, has directed the heads of the various bureaus in his department to submit statements on the matters within their respective jurisdictions. An invitation to participate has been extended to Secretary of War Stimson and other experts of the War Department. Senator O'Mahoney has already submitted to the heads of the War Department extensive compilations of information on Western resources already compiled by the Burlington Railroad and the Union Pacific.

Gelatin Products Names Hayden Eastern Sales Head

Gelatin Products Company, Detroit, announces that David Hayden who formerly covered the Eastern sales territory from the home office will now be in charge of sales in the East with headquarters in New York. The move is made to care for a marked increase in sales and also to provide better service to customers in the Eastern sales territory.

David Hayden

Simpson Now Montgomery, Ala., Sales Head for Va.-Carolina

Richmond, Va., July 18, 1941

The Virginia-Carolina Chemical Corporation, manufacturer of fertilizer chemicals, this city, announced today the appointment of M. J. Simpson as manager of the Montgomery, Ala., sales office, effective August 1. He will succeed M. E. Hunter, recently named assistant general sales-manager.

Pittsberg Chemical Now Limited Partnership

Pursuant to action taken by the stockholders and directors of Pittsberg Chemical Company, a certificate of election to wind up and dissolve was filed with the Secretary of State at Sacramento, Calif., June 28. Announcement by Alfred M. Esberg, president and treasurer, said:—

It is intended that the corporation will be dissolved and all of its assets, subject to its liabilities, will be distributed to Pittsberg Chemical Company, a limited partnership composed of Alfred M. Esberg, general partner, and Alfred I. Esberg and Richard E. Guggenhime, limited partners.

The partnership will continue to conduct the business of the Pittsberg Chemical Company at the above addresses in all respects and in a manner identical with that previously carried on by the corporation. All obligations of the corporation, including contracts will be assumed by the partnership.

Cork Industry Advisers Named by OPM Unit

OPD Washington Bureau
July 16, 1941

Appointment of nine members of a cork defense industry advisory committee was announced today by the Bureau of Clearance of Defense Industry Advisory Committees, Office of Production Management. Members of the committee are as follows:—H. H. Bruns, Mundet Cork Corporation, Brooklyn; E. J. Costa, Crown Cork & Seal Company, Baltimore; F. R. Mitchell, Mitchell & Smith, Inc., Detroit; W. G. Burns, Congoleum-Nairn, Inc., Kearny, N. J.; H. W. Prentis, jr., Armstrong Cork Company, Lancaster; H. H. Bose, United Cork Companies, Kearny; A. B. Dodge, Dodge Cork Company, Inc., Lancaster; L. B. Montfort, Crown Manufacturers Association of America, Washington; A. L. Faubel, Cork Institute of America, New York.

Merrell Co. to Share Profits

Closing on June 30 the most successful fiscal year of its entire history, the Wm. S. Merrell Company, pharmaceutical manufacturer, Cincinnati, is sharing profits with office, laboratory and factory employes of a year or more service by distribution of two weeks' extra pay in bonus earnings, Thurston Merrell, president and general manager, has announced.

Mica exported from Brazil amounted to 1,117 tons in 1940.

SULPHUR?

—right away!

Today, with the wheels of industry whirling faster, demand for sulphur is going up.

The last time production was under forced draft, in 1917-1918, the United States worried about sulphur supplies being adequate. Only about one-half the nation's consumption of sulphur could be provided by domestic sources of brimstone.

Twenty-five years of prospecting, development and production have changed that picture. At the start of this year, the brimstone industry's stocks of sulphur already above ground were estimated to be adequate for two years' needs.

At our mines at Port Sulphur, Louisiana, and Freeport, Texas, we have ample stocks of above-ground sulphur, ready for immediate shipment. We have increased production, moreover, to keep abreast of the mounting needs of national defense as they are transmitted to us through our customers who use sulphur in almost numberless industrial processes.

FREEPORT SULPHUR COMPANY
122 East 42nd Street New York, N.Y.

Flaxseed Crop July 1 Estimate Off

The Department of Agriculture estimate as of July 1 of the 1941 flaxseed crop was 30,018,000 bushels. This compares with a production in 1940 of 31,217,000 bushels. Acreage abandonment in the Dakotas and Montana is likely to be much smaller than average, due to the present very favorable growing conditions in these states, in contrast to drought and insect damage in many of the recent preceding years. The crop is making excellent progress in the North Central States, though heavy rains in early June caused some fields to turn yellow and retarded growth. In Iowa the crop is clean and well advanced for this date. Harvest has been completed in Texas, where excessive rains reduced the yield. In California prospective yields are not far from average, but five bushels below the large yield of 1940.

Details of the July 1 estimate with respect to the several producing states follow:—

	Acreage		Yield per acre.		Bushels Production		
	1940.	1941.	1940.	1941.	Average, 1930-39.	1940.	Indicated. 1941.
Illinois	6,000	18,000	15.0	11.0	....	90,000	198,000
Michigan	8,000	6,000	9.0	8.5	44,000	72,000	51,000
Wisconsin	19,000	15,000	13.0	12.0	62,000	247,000	180,000
Minnesota	1,590,000	1,415,000	10.5	9.5	5,902,000	16,695,000	13,442,000
Iowa	180,000	234,000	14.0	13.0	235,000	2,520,000	3,042,000
Missouri	3,000	4,000	6.0	5.5	14,000	18,000	22,000
North Dakota	648,000	745,000	6.0	7.0	2,895,000	3,888,000	5,215,000
South Dakota	293,000	243,000	6.5	8.0	774,000	1,904,000	1,944,000
Nebraska	2,000	5,000	10.0	8.0	25,000	20,000	40,000
Kansas	146,000	136,000	9.0	8.5	341,000	1,314,000	1,156,000
Oklahoma	17,000	20,000	7.0	8.0	....	119,000	160,000
Texas	29,000	16,000	6.0	6.5	....	174,000	104,000
Montana	132,000	150,000	7.5	6.0	416,000	990,000	900,000
Idaho	5,000	5,000	8.0	9.0	....	40,000	45,000
Arizona	13,000	15,000	18.5	21.0	....	240,000	315,000
Washington	5,000	1,000	9.5	12.0	....	48,000	12,000
Oregon	4,000	2,000	6.0	12.0	....	24,000	24,000
California	134,000	198,000	21.0	16.0	745,000	2,814,000	3,168,000
United States	3,234,000	3,228,000	9.7	9.3	11,269,000	31,217,000	30,018,000

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Shipping Information

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Imports at U. S. Ports

New York Imports

ACID, STEARIC BEEF—200 bgs, Balfour, Guthrie & Co, Buenos Aires
TARTARIC—15 cks, Industrial Sales Corp, Barcelona
200 bbls, Atlantic Freighting Co, Barcelona
800 bbls, New York & Cuba Mail S S Co, Barcelona
200 bbls, Maritime Shipping Co, Barcelona
62 bbls, Dillon Chem Co, Buenos Aires

AGAR—5 bls, Kachurin Drug Co, Kobe
10 bls, Takamine Corp, Kobe
25 bls, T M Duche & Sons, Kobe

POWDERED—20 cs, R J Prentiss & Co, Kobe

ALBUMEN, EGG, HEN—22 cs, Liebermann-Waolchli, Tientsin
5 cs, Tientsin
20 cs, Siber, Hegner & Co, Tientsin

ALUMINUM FOIL — 15 cs, Brown Bros-Harrimann Co, Lisbon
11 cs, Brown Bros. Harriman Co, Lisbon

AMARYLLIS—1 cs, Eric Howard, Rio de Janeiro

ANGELICA ROOT—34 bgs, Seville

ANISE, STAR — 10 pkgs, The Aries Co, Hongkong
168 bls, S B Penick & Co, Hongkong
50 bls, R J Prentiss & Co, Hongkong

ANNATTO SEED—13 bgs, H Kohnstam & Co, Kingston
100 bgs, J A Manton, Kingston
50 bgs, J B Long & Co, Kingston
50 bgs, D Steengrafe, Kingston

ARSENIC, WHITE — 300 cs, American Cyanamid & Chem Co, Kobe

ASBESTOS—1,750 bgs, L J Buck, Inc, Capetown

BALSAM—25 cs, Pan American Export & Import Co, Barranquilla
20 cs, Puerto Barrios

BAUXITE—1 cs, M S Hawie, Santos

BISMUTH ORE—6 cs, H A Watson, Capetown

BLEACHING POWDER — 609 dms, H H Rosenthal Co, Yokohama

BLOOD, DRIED—1 can, Western Precipitation, Buenos Aires

BONES—500 bgs, American Agricultural & Chem Co, Barranquilla
1,089 bgs, Bank of New York, Buenos Aires

BRISTLES—55 cs, Tientsin
22 cs, Mitsui & Co, Kobe
50 cs, S Hirshenhorn & Son, Tientsin
50 cs, A A Kretjmann, Dairen
18 cs, F H Cone & Co, Tientsin
55 cs, F H Cone & Co, Tientsin
40 cs, H Rosenhirsh Co, Tientsin
58 cs, S Hirshenhorn & Son, Tientsin
32 cs, H Rosenhirsh Co, Tientsin
41 cs, Tientsin
25 cs, A A Kretjmann, Tientsin
27 cs, Sondovitch Co, Tientsin
13 cs, H Rosenhirsh Co, Tientsin
13 cs, S Hirshenhorn & Son, Tientsin
38 cs, N Wagman Co, Tientsin
39 cs, F H Cone & Co, Tientsin
13 cs, H Rosenhirsh Co, Tientsin
19 cs, M Broverman & Son, Tientsin
75 cs, N Wagman Co, Tientsin
52 cs, H Rosenhirsh Co, Tientsin
25 cs, A A Kretjmann, Tientsin
26 cs, F H Cone & Co, Tientsin
24 cs, Tientsin

BRONZE LEAF—8 cs, Mitsui & Co, Kobe
10 cs, M Swift & Son, Kobe

BUCHU LEAVES—10 bls, R J Prentiss & Co, Capetown

CAFFEINE—20 cs, Bayer Co, Santos

CALCIUM TARTRATE—187 bgs, Charles Pfizer & Co, Lisbon
143 bgs, Charles Pfizer & Co, Alicante

CAMPHOR, REFD—200 cs, Mitsui & Co, Kobe

CANARY SEED—847 bgs, R T French & Co, Buenos Aires
831 bgs, Wagner Bros Seed Co, Buenos Aires

CARDAMOM—23 cs, P H Petry & Co, Puerto Barrios
2½ tons, Volkart Bros, Colombo

CASEIN—334 bgs, Bank of London South America, Buenos Aires
834 bgs, American British Chemical Supplies, Buenos Aires
50 bgs, Buenos Aires
834 bgs, Tupman, Thurlow & Co, Buenos Aires

CASSIA—400 bls, A G Dunn, Hongkong
200 bls, Arnhold & Co, Hongkong
200 bls, Kane Import Co, Hongkong
240 bls, Van Norden & Archibald, Hongkong
45 bls, M Cohen, Hongkong
84 bls, Knickerbocker Mills Co, Hongkong
490 bls, A G Dunn, Hongkong
200 bls, Kane Import Co, Hongkong

BROKEN—50 pkgs, Wood & Selick, Hongkong

ROLLS—70 bls, Wood & Selick, Hongkong
50 bls, Durkee Famous Food, Hongkong
30 bls, Van Norden & Archibald, Hongkong

VERA—575 bls, Catz American Co, Batavia
339 bls, Catz American Co, Batavia

CASTOR BEANS—1,008 bgs, Bradley & Baker, Puerto Barrios
10,200 bgs, Baker Castor Oil Co, Bahia
5,100 bgs, Baker Castor Oil Co, Bahia
1,722 bgs, Port Prince
2,178 bgs, Bunge North American Grain Co, Buenos Aires

CELERY SEED—51 bgs, Boyd, Weir & Sewell, Bombay

CHEMICALS—20 cs, Rohner, Gehrig & Co, Lisbon
90 cs, Ciba Co, Lisbon
9 pkgs, Rohner, Gehrig & Co, Lisbon

SYNTH—15 cs, Firmenich & Co, Lisbon
10 cs, Givaudan-Delawanna, Lisbon

TEXTILE—13 cs, Goudrand Shipping Co, Lisbon
135 dms, Goudrand Shipping Co, Lisbon
136 dms, Sandoz Chem Works, Lisbon

CHROME ORE—5,000 tons, E J Lavino & Co, Beira
1,512 tons, 18 cwts, 3 qtrs, 5 lbs, E J Lavino & Co, Beira
987 tons, 1 cwt, 23 lbs, E J Lavino & Co, Beira

CINCHONA BARK—865 pkgs, Merck & Co, Singapore

COBALT, CRUDE—715 dms, American Metal Corp, Beira

COCOA BEANS—23 bgs, Balfour, Guthrie & Co, Port Spain
200 bgs, General Cocoa Co, Port Spain
500 bgs, Kennedy, Butcher & Co, Port Spain
250 bgs, Wood & Selick, Port Spain
500 bgs, Machado & Co, La Guaira
500 bgs, Nieschlag & Co, Puerto Cabello
24 bgs, A A Lindo, Porto Limon
1,000 bgs, National City Bank, Ilheos
4,000 bgs, Ilheos
500 bgs, National City Bank, Ilheos
4,500 bgs, Ilheos
5,000 bgs, National City Bank, Ilheos
1,500 bgs, National City Bank, Bahia
500 bgs, Bank of London South America, Bahia
7,000 bgs, National City Bank, Ilheos
250 bgs, Wood & Selick, Port Spain
1,881 bgs, Curacao Trading Co, Trujillo
35,627 bgs, Lagos

COCONUTS—100 bgs, Universal Import & Export Co, Kingston
920 bgs, General Food Sales Corp, Kingston

COLOMBO ROOT—70 bgs, R J Prentiss & Co, Lourenco Marques
120 bgs, R J Prentiss & Co, Lourenco Marques
100 bgs, R J Prentiss & Co, Lourenco Marques

CORIANDER SEED—400 bgs, Abecassis & Abelson, Inc, Fort France
500 bgs, A G Dunn, Fort France
265 bgs, Abecassis & Abelson, Inc, Fort France
133 bgs, Boyd, Weir & Sewell, Bombay

CORK—21 bls, Hensel, Bruckmann & Lorbacher, Barcelona
27 bls, F G Doherty, Palamos
6 bls, Atlantic Freighting Co, Palamos
14 bls, L N Renault & Son, Palamos
19 bls, Armstrong Cork Co, Palamos
23 bls, Cork Import Co, Barcelona
47 bls, Armstrong Cork Co, Barcelona
7 bgs, H E Boizon, Inc, Lisbon

AGLOMERATED — 2,313 crtns, Ontario Cork Co, Barcelona

BOARDS—272 crates, Ontario Cork Co, Lisbon
122 crates, Ontario Cork Co, Lisbon

DISCS—100 bls, Universal Transcontinental Corp, Lisbon
50 bls, Baldwin Universal Co, Lisbon

SHAVINGS—494 bls, Baldwin Universal Co, Lisbon
154 bls, Pablo, Calvet & Co, Lisbon

VIRGIN—600 bls, Mundet Cork Corp, Lisbon
591 bls, Mundet Cork Corp, Lisbon

WASTE—600 bls, Chase National Bank, Lisbon
1,200 bls, Mundet Cork Corp, Lisbon
380 bls, Mundet Cork Corp, Lisbon
143 bls, Mundet Cork Corp, Lisbon
363 bls, Dominion Oilcloth & Lino Co, Lisbon
220 bls, Baldwin Universal Co, Lisbon
432 bls, Armstrong Cork Co, Barcelona

WOOD—600 bls, Chase National Bank, Lisbon
81 bls, Wicander & Co, Lisbon
31 bls, Dodge Cork Co, Lisbon
189 bls, Atlantic Pacific Mfg Co, Lisbon
1,120 bls, Chase National Bank, Lisbon
155 bls, Wicander & Co, Lisbon
235 bls, Wicander & Co, Lisbon
130 bls, Grace Line, Seville
303 bls, Armstrong Cork Co, Palamos
97 bls, Cork Importing Co, Palamos
218 bls, Cork Import Co, Barcelona
355 bls, Cork Import Co, Barcelona

COTTON LINTERS—5 bgs, J E Bernard & Co, Buenos Aires

COTTONSEED MEAL—1 bg, Swift & Co, Santos

CREAM TARTAR—200 bbls, Central Hanover Bank Trust Co, Barcelona

CUMIN SEED—170 bgs, A G Dunn, Bombay
36 bgs, Boyd, Weir & Sewell, Bombay

DERRIS ROOT—40 bls, R J Prentiss & Co, Hongkong

DIVI DIVI—150 bgs, Guaranty Trust Co, Cartagena
1,950 bgs, Chase National Bank, Barranquilla

DRAGONS BLOOD—10 cs, Paul A Hunt & Co, Belawan Deli

DYES, ANILIN—9 cs, Goudrand Shipping Co, Lisbon
57 cs, Goudrand Shipping Co, Lisbon
101 dms, Sandoz Chem Works, Lisbon
85 dms, Draeger Shipping Co, Lisbon
17 cs, 1 bbl, Draeger Shipping Co, Lisbon
146 dms, Ciba Co, Lisbon
66 dms, Draeger Shipping Co, Lisbon
120 dms, Ciba Co, Lisbon
127 bbls, J E Bernard & Co, Lisbon
8 bbls, Geigy Co, Lisbon

EGG YOLK, SPRAY—112 cs, Arnhold & Co, Tientsin
56 cs, Arnhold & Co, Tientsin
112 cs, Mitsui & Co, Kobe
280 cs, National City Bank, Kobe

FENNEL SEED—40 bgs, Boyd, Weir & Sewell, Bombay

FENUGREEK SEED—11 bgs, Boyd, Weir & Sewell, Bombay

FISH LIVERS—164 tins, Atlantic Coast Fisheries, Kobe
795 tins, Japan

FLAXSEED—1,273,700 kilos, 50,948 bus, Kniper & Bolle, Buenos Aires
231,920 kilos, 10,077 bus, Kniper & Bolle, Buenos Aires
quantity, Bunge North American Grain Co, Buenos Aires
1,529 bgs, 3,363 bus, Bunge North American Grain Co, Buenos Aires
2,741 bgs, 6,030 bus, Bunge North American Grain Co, Buenos Aires

GAMBIER—425 cs, American Cyanamid & Chem Co, Belawan Deli
170 cs, American Dyewood Co, Belawan Deli
850 cs, American Cyanamid & Chem Co, Belawan Deli
1,190 cs, American Dyewood Co, Batavia

GENTIAN ROOT—25 bgs, S B Penick & Co, Alicante

GINGER ROOT—78 bgs, Bombay
107 bgs, Kachurin Drug Co, Kingston

GLANDS—54 cs, Buenos Aires
7 cs, Tupman, Thurlow Co, Santos

OPOTHERAPEC—97 crates, Wilson Lab, Buenos Aires

SUPRARENAL—10 crates, Charles Hollmshed Co, Buenos Aires

GLUE—112 bgs, Biological Raw Product, Inc, Buenos Aires
178 bgs, Biological Raw Product, Inc, Buenos Aires

GRAPHITE, AMORPHOUS—1,400 bgs, Mitsui & Co, Kobe

GREASE—136 cks, Balfour, Guthrie & Co, Buenos Aires

GUM, BENZOIN—100 cs, Wessel, Duval & Co, Batavia
50 cs, R Prentiss & Co, Batavia
150 cs, S B Penick & Co, Batavia
100 cs, Aspelt Import & Trading Co, Batavia
120 cs, S B Penick & Co, Batavia
15 cs, Ungerer & Co, Batavia
100 cs, Wessel, Duval & Co, Batavia
150 cs, Aspelt Import & Trading Co, Batavia
49 cs, Import & Export Industries, Hongkong

CHICLE—672 bls, Chicle Development Co, Puerto Barrios
255 bls, Chicle Development Co, Puerto Barrios
417 bls, Chicle Development Co, Puerto Barrios

COPAL—600 baskets, Far East Rep, Macassar
488 bgs, O G Innes Corp, Macassar
138 bgs, France, Campbell & Darling, Macassar
306 bgs, Far East Rep, Macassar
216 baskets, Gillespie-Rogers-Pyatt Co, Macassar
279 baskets, O G Innes Corp, Macassar
790 bgs, O G Innes Corp, Macassar
251 baskets, W H Scheel, Macassar
188 baskets, American Cyanamid & Chem Co, Macassar
254 baskets, Macassar
400 baskets, H P Winter & Co, Macassar
116 bgs, Onyx Oil & Resin Co, Macassar
221 baskets, Van Norden & Archibald, Macassar
90 bgs, H P Winter & Co, Macassar
191 baskets, American Cyanamid & Chem Co, Macassar
210 bgs, Gillespie-Rogers-Pyatt Co, Singapore

DAMMAR—450 bgs, Thurston & Braidich, Batavia
1,870 cs, Thurston & Braidich, Batavia
250 bgs, Thurston & Braidich, Batavia
56 cs, Thurston & Braidich, Batavia

GUAIAC—8 cs, Curacao Trading Co, Trujillo

KARAYA—333 bgs, Bombay

LABDANUM—13 cs, Givaudan Delawanna, Barcelona
30 cs, Geo Lueders & Co, Alicante

LOCUST BEAN—200 bgs, S B Penick & Co, Fort France

PERILLA—45 bls, Chicle Development Co, Barranquilla

HEMPSEED—275 bgs, Mitsui & Co, Kobe

HENNA LEAVES—45 pkgs, Bombay

HERBS—430 bls, R H Elmaleh Corp, Fort France
79 bls, R H Elmaleh Corp, Fort France

IPECAC ROOT — 12 bgs, N Brandon Co, Puerto Limon

JUNIPER BERRIES—29 bgs, E Meer & Co, Alicante
48 bgs, E Meer & Co, Alicante

KOLA NUTS—100 bgs, J A Manton, Kingston
100 bgs, D Steengrafe, Kingston
50 bgs, Barclay Bank, Kingston
50 bgs, Royal Bank of Canada, Kingston

LAUREL LEAVES—40 bls, Alicante
60 bls, Knickerbocker Mills Co, Alicante
80 bls, Alicante

LAVENDER FLOWERS—27 bls, Atlantic Freighting Co, Barcelona

LEAVES, MED—18 bls, Irving Trust Co, Puerto Barrios

LICORICE ROOT—100 bls, J L Hopkins & Co, Alicante
100 bls, E Lasry, Alicante
100 bls, S H Penick & Co, Alicante
150 bls, R J Prentiss & Co, Alicante
150 bls, E Meer & Co, Alicante
200 bls, R J Prentiss & Co, Alicante
190 bls, W E Martin, Alicante

LOGWOOD—42 tons, American Dyewood Co, Kingston
24 tons, W & A Leaman, Kingston
1,270 pcs, American Dyewood Co, Cristobal

EXTRACT—25 cks, American Dyewood Co, Kingston

LOOFAHS—12 bls, American Sponge & Chamois Co, Yokohama

MANGANESE ORE — 7,350 tons, Electro Metallurgical Co, Takoradi

MATE—33 bls, Peter Esteve, Buenos Aires
19 cs, Peter Esteve, Buenos Aires
5 cyls, MacKinnon & Coelho, Buenos Aires

MEDICINAL PREPS—35 cs, Goudrand Shipping Co, Lisbon
4 pkgs, United Fruit Co, Kingston
59 cs, D C Andrews & Co, Buenos Aires
9 cs, Fred Stearns & Co, Buenos Aires
10 cs, D C Andrews & Co, Buenor Aires
66 cs, D C Andrews & Co, Buenos Aires
16 cs, Young & Glenn, Rio Janeiro
23 cs, D C Andrews & Co, Buenos Aires
17 cs, Fred Stearns & Co, Buenos Aires

MENTHOL—50 cs, McKesson & Robbins, Kobe
200 cs, Mitsui & Co, Kobe
50 cs, Kobe

MICA—146 cs, Eugene Munsell & Co, Rio Janeiro
73 cs, F D Pitts Co, Rio Janeiro
84 cs, Eugene Munsell & Co, Rio Janeiro
54 cs, Rio Janeiro

BLOCK—75 cs, Mercantile Import & Export Co, Calcutta
10 cs, Mercantile Import & Export Co, Calcutta

SPLITTINGS—200 cs, Schwab Bros, Calcutta
50 cs, Mercantile Import & Export Co, Calcutta
119 cs, Guaranty Trust Co, Calcutta
225 cs, Cornelis & Suhr, Calcutta
175 cs, Mercantile Import & Export Co, Calcutta
136 cs, Cornelis & Suhr, Calcutta
2,135 cs, Schwab Bros, Calcutta
22 cs, Mercantile Import & Export Co, Calcutta

MUSTARD SEED—280 bgs, Old Dutch Mustard Co, Tientsin

NUTMEGS—4 bgs, 1 cs, Middleton & Co, Port Spain

OAK MOSS—112 bls, Peek & Velsor, Alicante

OIL, ABIES—5 dms, P R Dreyer, Yokohama
10 dms, Norda Essential Oil & Chem Co, Yokohama

OIL CAMPHOR—15 dms, P R Dreyer, Yokohama
10 dms, Norda Essential Oil & Chem Co, Yokohama
10 dms, P R Dreyer, Yokohama

CASSIA—10 dms, Geo Lueders & Co, Hongkong

CASTOR—1 dm, Import & Export Industries, Hongkong

CHAULMOOGRA—15 pkgs, American Lebrosy Foundation, Hongkong

CINNAMON LEAF—3 dms, Volkart Bros, Colombo

CITRONELLA—30 dms, Stein, Hall & Co, Batavia

CITROUS—9 cs, C W Botkay, Santos
42 cs, C W Botaky, Santos
20 cs, C W Botkay, Rio Janeiro

COCONUT—423 tons, Colgate-Palmolive-Peet Co, Manila
2 bottles, Spencer Kellogg & Sons, Manila
2 bottles, Manila
1,090 tons, Philippine Refg Corp, Manila

COD—52 cks, Canada

CODLIVER—150 dms, Vitamerican Oil Corp, Yokohama
1 dm, Yokohama

COKING—10 dms, Villar & Osorio, Buenos Aires

COTTONSEED—478 dms, Anderson, Clayton & Co, Santos

ESSENTIAL—40 cs, Rohner, Gehrig & Co, Lisbon
8 bbls, H A Sothern, Puerto Barrios
1 ck, W J Bush & Co, Fort France

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
74,214 bbls, Asiatic Petroleum Corp, Aruba

GRAPESEED—1 cs, I R Boody & Co, Buenos Aires

LAVENDER SPIKE—3 dms, Kachurin Drug Co, Alicante
3 dms, W J Bush & Co, Alicante

LINSEED—100 dms, Gillespie & Co, Buenos Aires

MANDARIN—2 cs, Magnus, Mabee & Reynard, Rio Janeiro

NEATSFOOT—54 dms, Tupman-Thurlow Co, Santos
27 tcs, Armour & Co, Buenos Aires
54 tcs, Armour & Co, Buenos Aires
60 dms, Tupman-Thurlow Co, Santos
150 dms, Rio Janeiro

ORANGE — 5 cs, Murbas Trading Co, Kingston
40 crates, Biological Raw Product, Inc, Santos
7 dms, Ungerer & Co, Rio de Janeiro

PEANUT — 199 tons, Mitsubishi Shoji Kaisha, Kobe
195 tons, Swift Canadian Co, Kobe
635 tons, Procter & Gamble Co, Kobe

PETITGRAIN—20 cs, General Drug Co, Buenos Aires
5 dms, Buenos Aires
70 cs, S Stern Stiner & Co, Buenos Aires
4 dms, Goudrand Shipping Co, Buenos Aires

PIMENTO LEAF — 1 dm, Gillespie Co, Kingston

POLLOCK LIVER—300 dms, Consumers Import Co, Yokohama

ROSEMARY—3 dms, Kachurin Drug Co, Alicante
3 dms, Irving Trust Co, Alicante
5 dms, Kachurin Drug Co, Alicante
1 dm, W J Bush & Co, Alicante

SASSAFRAS—1 can, S Stern Stiner & Co, Rio de Janeiro

THYME—3 dms, Kachurin Drug Co, Alicante
6 dms, W J Bush & Co, Alicante

VETIVER—1 dm, Volkart Bros, D E I
1 dm, Volkart Bros, D E I

ORANGE FLOWER WATER — 6 dms, Fritzsche Bros, Port au Prince

ORANGE PEEL—60 bgs, S B Penick & Co, Port au Prince

OX GALLS—13 bbls, Tupman-Thurlow Co, Santos
9 bbls, Rio de Janeiro
2 tcs, Wilson & Co, Buenos Aires
5 cks, Buenos Aires
9 tcs, Buenos Aires

OXIENTALIS LIVER—631 tins, J D Irwin & Co, Kobe

PAPRIKA — 100 bgs, Herbert Marmoerk, Lisbon
690 bgs, J Navarro, Lisbon
300 bgs, R T French Co, Lisbon
150 bgs, F B Vandegrift Co, Lisbon
120 cs, Great Atlantic & Pacific Tea Co, Lisbon
50 bgs, Ideal Trading Co, Lisbon
50 bgs, Knickerbocker Mills Co, Lisbon
175 bgs, Lisbon
350 bgs, Great Atlantic & Pacific Co, Lisbon
50 bgs, B H Old & Co, Lisbon
70 bgs, W Goetzel, Lisbon
100 bgs, J H Forbes Tea & Spice Co, Lisbon
100 bgs, C M Van Sillevoldt, Lisbon
50 bgs, Becker-Meyer Seed Co Lisbon
25 bgs, D M Hatton & Co, Lisbon
50 bgs, J Sexton & Co, Lisbon
50 bgs, Becker-Meyer Seed Co, Lisbon
300 cs, Lisbon
200 bgs, Biddle Purchasing Co, Lisbon
610 bgs, Lisbon
70 bgs, G L Curtin, Lisbon
50 bgs, Knickerbocker Mills Co, Lisbon
100 bgs, A G Dunn, Lisbon
200 bgs, Biddle Purchasing Co, Lisbon
30 cs, Biddle Purchasing Co, Lisbon
70 bgs, Meadows, Wye & Co, Alicante
250 bgs, Alicante
150 bgs, J H Forbes Tea & Spice Co, Alicante

PATCHOULI LEAVES—71 bls, Volkart Bros, Colombo
71 bls, Volkart Bros, Colombo

PEPPER, WHITE—810 bgs, Catz American Co, Batavia
324 bgs, Catz American Co, Batavia

PERFUME, SYNTH—81 cs, Rohner, Gehrig & Co, Lisbon
10 cs, Swiss Oriental Commi Co, Lisbon

PINTO SEED—43 bgs, Merck & Co, Puerto Barrios

QUASSIA CHIPS—200 bgs, S B Penick & Co, Kingston
100 bgs, R J Prentiss & Co, Kingston

QUEBRACHO EXTRACT—1,000 bgs, International Product Corp, Buenos Aires
525 bgs, International Product Corp, Buenos Aires

QUINCE SEED—10 bgs, R J Prentiss & Co, Capetown

ROSEMARY LEAVES—196 bls, Kachurin Drug Co, Alicante
167 bls, R J Prentiss & Co, Alicante
195 bls, Kachurin Drug Co, Alicante

SAGE LEAVES—144 bls, Kachurin Drug Co, Barcelona
131 bls, E Meer & Co, Alicante
72 bls, Kachurin Drug Co, Alicante
94 bls, Alicante
84 bls, M Hatton & Co, Alicante
43 bls, A G Dunn, Alicante
140 bls, Corn Exchange Bank Trust Co, Alicante
SARSAPARILLA ROOT—3 bls, Peek & Veisor, Kingston
SHEELITE—141 bgs, H A Watson, Capetown
SHELLAC—600 bgs, Wm Zinsser & Co, Calcutta
500 bgs, Schwab Bros, Calcutta
200 bgs, Wm Zinsser & Co, Calcutta
800 bgs, Mac Lac Co, Calcutta
300 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
200 bgs, A Hurst & Co, Calcutta
200 bgs, Ralli Bros, Calcutta
580 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Chase National Bank, Calcutta
200 bgs, Mercantile Import & Export Co, Calcutta
875 bgs, Mac Lac Co, Calcutta
510 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Chase National Bank, Calcutta
300 bgs, Mercantile Import & Export Co, Calcutta
1,200 bgs, Mac Lac Co, Calcutta
100 bgs, E E Androvette, Calcutta
BUTTON LAC—50 bgs, Wm Zinsser & Co, Calcutta
100 bgs, Cornelis & Suhr, Calcutta
50 bgs, E E Androvette, Calcutta
SEEDLAC—300 bgs, Wm Zinsser & Co, Calcutta
1,200 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
200 bgs, Ralli Bros, Calcutta
200 bgs, Mantrose Corp, Calcutta
300 bgs, Ding & Schuster, Calcutta
360 bgs, Wm Zinsser & Co, Calcutta
500 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
300 bgs, Mantrose Corp, Calcutta
400 bgs, Ding & Schuster, Calcutta
800 bgs, Gillespie-Rogers Pyatt Co, Calcutta
SPONGES—6 bls, Havana
SQUILL—160 bgs, E Meer & Co, Bombay
96 bgs, E Meer & Co, Bombay
SUNFLOWER SEED—1 wkg, Western Precipitation, Buenos Aires
TALC—12,000 bgs, Kobe
9,800 bgs, Kobe
TALLOW—249 tcs, Armour & Co, Buenos Aires
541 tcs, Armour & Co, Buenos Aires
268 dms, C J Schellings, Buenos Aires
495 tcs, Swift & Co, Buenos Aires
549 tcs, Armour & Co, Buenos Aires
TANKAGE—1,016 bgs, Tupman-Thurlow & Co, Buenos Aires
508 bgs, Tupman-Thurlow & Co, Buenos Aires
TAPIOCA FLOUR—1,016 bgs, Chase National Bank, Rio Janeiro
3,902 bgs, Stein, Hall & Co, Batavia
1,507 bgs, A D Welds Co, Sourabaya
499 bgs, H P Winter & Co, Batavia
TARTAR—439 bgs, Bank of California National Assn, Barcelona
THYME LEAVES—146 bls, Irving Trust Co, Alicante
TONKA BEANS—4 cks, Kennedy, Butcher & Co, Trinidad
TUNGSTEN ORE — 100 cs, Philipp Bros, Capetown
UVA URSI LEAVES—10 bls, M Hattan & Co, Alicante
44 bls, American Express Co, Alicante
TURMERIC—81 bgs, Bombay
VALERIAN ROOT—40 bgs, E Meer & Co, Bombay
VANILLA BEANS—41 cs, Middleton & Co, Fort France
22 cs, Middleton & Co, Fort France
WAX, BEES—87 bgs, W R Grace & Co, Coquimba
6 bgs, F E Keller, Puerto Barrios
8 bgs, D Steengrafe, Puerto Barrios
18 bls, Gillespie & Co, Puerto Barrios
32 bgs, D Steengrafe, Havana
15 bgs, Gillespie & Co, Santos
35 bgs, Schutte & Focke, Trujillo
4 bgs, Curacao Trading Co, Trujillo
19 bgs, Schutte & Focke, Trujillo
CARNAUBA—56 bgs, Wessel, Duval & Co, Rio de Janeiro
56 bgs, Strohmeyer & Arpe Co, Rio de Janeiro
56 bgs, Guaranty Trust Co, Rio de Janeiro
56 bgs, Wm M Allison & Co, Rio de Janeiro
VEGETABLE—50 cs, Credo Commodity Co, Kobe
200 cs, American Cyanamid & Chem Co, Kobe
WINE LEES—685 bgs, A Mevi, Buenos Aires
287 bgs, Standard Brands, Lisbon
265 bgs, Standard Brands, Lisbon
86 bgs, Standard Brands, Lisbon
936 bgs, A Mevi, Buenos Aires
WOLFRAM ORE — 500 bgs, Wah Chang Trading Corp, Hongkong
500 bgs, Molybdenum Corp, Hongkong
YEAST — 1 pkg, Pan American Standard Brand, Rio de Janeiro

New York Transit Imports

ASBESTOS—1,316 bgs, Keasbey & Mattison Co, Lourenco Marques, Ambler Penn
CHROME ORE—3,000 tons, E J Lavino & Co, Beira, Newport News
CORK SHAVINGS—1,569 bls, Dominion Oilcloth & Lino Co, Lisbon, Montreal
675 bls, Dominion Oilcloth & Lino Co, Lisbon, Montreal
COTTON LINTERS—196 bls, West Texas Cotton Oil Co, Buenos Aires, Houston
138 bls, West Texas Cotton Oil Co, Buenos Aires, Houston
GLANDS BEEF, SUPRARENAL—8 tcs, Parke, Davis & Co, Montevideo, Detroit
LICORICE ROOT—250 bls, Eli Lilly & Co, Alicante, Indianapolis
OIL, COCONUT—371 tons, Spencer Kellogg & Sons, Manila, Buffalo
394 tons, Durkee Famous Food, Manila, Chicago
PAPRIKA—500 bgs, Sobol & Co, Lisbon, Chicago
QUEBRACHO EXTRACT—800 bgs, International Product Corp, Buenos Aires, Toronto

Baltimore Imports

CHROME ORE—4,000 tons, Masinloc
7,387 tons, Lourenco Marques
7,037 tons, Noumea
IRON ORE—21,500 tons, Bethlehem Steel Co, Cruz Grande
21,500 tons, Bethlehem Steel Co, Cruz Grande
2,500 tons, Masinloc
21,500 tons, Bethlehem Steel Co, Cruz Grande
KERNELS—1,185 bgs, Para
9,008 bgs, Sao Luiz
MANGANESE ORE—1,000 tons, Calcutta
4,500 tons, Durban

Boston Imports

CINNAMON—585 bls, Colombo
OIL, CASTOR—125 dms, Calcutta
PAPRIKA—25 bgs, Boston Brokerage Co, Alicante
SHELLAC—50 cs, First National Bank, Calcutta
WALNUT KERNELS—594 cs, Calcutta

New Orleans Imports

COCONUTS—14 tons, Belize
GUM CHICLE—50 tons, Puerto Barrios

Philadelphia Imports

BONEMEAL—2,204 bgs, Montevideo
BONES, GRAN—2,212 bgs, Buenos Aires
CANARY SEED—1,342 bgs, Buenos Aires
CASEIN, GR—667 bgs, Buenos Aires
CHROME ORE—5,000 tons, Lourenco Marques
FLAXSEED—5,042 bgs, Buenos Aires
MOLASSES—1,100,000 gls, Publicker Alcohol Corp, Port Tarafa
1,800,000 gls, Publicker Alcohol Corp, Sagua & Havana
2,056,033 gls, Publicker Alcohol Corp, Metanzas
OIL, NEATSFOOT—78 cks, 170 tcs, Buenos Aires
PETROLEUM (CRUDE)—134,000 bbls, Atlantic Refining Co, Las Piedras
115,000 bbls, Sinclair Navigation Co. Tuxpam
80,525 bbls, Gulf Oil Corp, Puerto la Cruz
119,103 bbls, Gulf Oil Corp, Puerto la Cruz
83,121 bbls, Gulf Oil Corp, Puerto la Cruz
QUEBRACHO EXTRACT—6,034 bgs, The Tannin Corp, Buenos Aires
SODA, NITRATE—1,091 tons, Topicilla

Exports from U. S. Ports

New Orleans Exports

ACID, ACETIC—22 tons, Vera Cruz
STEARIC—37 tons, Vera Cruz; 10 tons, Puerto Barrios
ALUMINA SULPHATE—181 tons, Barranquilla
CELLULOSE FILM—31 tons, Vera Cruz
COMPOUND, FRUIT GLAZING—21 tons, Vera Cruz
EPSOM SALT—44 tons, Vera Cruz
FIRECLAY AND BRICK—167 tons, Panama City
GASOLINE—300 tons, Puerto Cabezas
LARD—41 tons, Tampico; 24 tons, Panama City
OIL, FUEL—273 tons, Celba
DIESEL—85 tons, Celba; 42 tons, Puerto Cabezas
LUBRICATING—11 tons, Puerto Barrios
PINE—8 tons, West Coast South America
QUEBRACHO EXTRACT—17 tons, Vera Cruz
ROSIN—6 tons, Panama City; 60 tons, West Coast South America; 16 tons, Cristobal; 235 tons, Barranquilla; 41 tons, Cartagena
STARCH—23 tons, West Coast South America
SODA, CAUSTIC—180 tons, Vera Cruz
CYANIDE—82 tons, Puerto Cabezas
TALLOW—26 tons, Vera Cruz
TURPENTINE—50 tons, Cristobal
WAX—224 tons, Vera Cruz; 19 tons, Puerto Barrios

Philadelphia Exports

ACID, FORMIC—88 cbys, Rio de Janeiro
GASOLINE—300 cs, Santos
GREASE—150 cs, 20 ctns, 60 pails, 30 dms, 30 bbls, Rio de Janeiro; 46 bbls, 15 pails, 9 cs, 3 bxs, Santos
KEROSENE—600 cs, Santos
OIL, LUBRICATING—1,276 cs, 2,029 ctns, 2,150 dms, Rio de Janeiro; 70 dms, 15 cs, Santos
PARAFFIN, REFINED—515 cs, Rio de Janeiro; 340 cs, Santos
UNREFINED—360 bbls and 520 cs, Santos; 250 cs, Rio de Janeiro
PETROLATUM—50 bbls, 40 cs, Rio de Janeiro; 82 bbls, 45 cs, Santos
TURPENTINE, SUB—1,000 cs, Rio de Janeiro

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Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations includes the following:—

Petroleum Machinery:—Syria and Lebanon has exempted from import duty material imported for the first installation and operation of the petroleum refinery in Tripoli.

Soap:—The Netherlands has subjected license imports of soap.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—67,500 bbls, Portland; 31,728 bbls, Richmond; 30,352 bbls, Seattle; 6,435 bbls, Seattle; 16,089 bbls, Seattle; 43,757 bbls, Seattle; 2,147 bbls, San Diego; 3,284 bbls, San Diego; 1,422 bbls, San Diego; 1,835 bbls, San Diego; 1,465 bbls, San Diego; 59,700 bbls, Seattle; 65,801 bbls, Portland; 61,922 bbls, Portland; 2,564 bbls, San Diego; 3,572 bbls, San Diego; 4,671 bbls, San Diego; 16,665 bbls, San Diego
KEROSENE—2,181 bbls, San Diego
OIL, DIESEL—15,200 bbls, Portland; 4,980 bbls, Richmond; 4,448 bbls, Seattle; 13,195 bbls, Seattle; 16,000 bbls, Seattle; 7,860 bbls, Portland; 32,320 bbls, Port San Luis; 13,005 bbls, Portland; 2,203 bbls, San Diego
FUEL—63,993 bbls, Avon; 23,800 bbls, Seattle; 63,054 bbls, Portland; 7,500 bbls, Portland; 60,373 bbls, Linnton; 12,230 bbls, San Diego

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Two Weeks Ended July 16

Almonds, bitter, 105 bags; restricted use.
Camphor, in oil, 1 parcel; not N.F.
Cardamom seed, 10 cases; filthy.
Cassia oil, 27 drums; not U.S.P.
Cumin seed, 35 bags; filthy.
Cumin seed, 170 bags; insect-infested.
Henbane leaves, 150 bags; not U.S.P.
Medicinal preparations, 4 parcels; new drug.
Medicinal preparations, 1 case; false therapeutic claims.
Medicinal preparations, 1 parcel; not properly labeled.
Medicinal preparations, 2 parcels; new drug; false and misleading statements.
Nutmegs, 305 bags; restricted use.
Rhatany root, 58 bags; spurious.
Sage leaves, 187 bags; excess stems.
Soap, 7 cases; false and misleading statements.
Thyme leaves, 40 bags; dirty.
Valerian root, 40 bags; not U.S.P.

Boston

Week Ended July 16

Cod oil, 5,153 gallons; restricted use.
Medicinal preparation, 1 parcel; false therapeutic claims.

Denver

Week Ended July 10

Medicinal, 2 pieces; dangerous drug.

Honolulu

Week Ended July 10

Medicinals, 14 cases; false therapeutic claims.
Medicinals, 144 cases; false therapeutic claims; ommission of mandatory labeling.

Los Angeles

Week Ended July 10

Fish livers, 20 cans; decomposed.

San Francisco

Week Ended July 10

Hair dye, 84 pieces; dangerous.

Seattle

Week Ended July 10

Medicinal 3 pieces; false therapeutic claims.

Import Freedom Urged For Defense Articles

—Continued from page 3

(2) Any machinery, facility, tool, material, or supply necessary for the manufacture, production, processing, repair, servicing, or operation of any article described in this section.

(3) Any component material or part of or equipment for any article described in this section.

(4) Any strategic or critical materials purchased, produced, acquired, or carried pursuant to the act of June 7, 1939 (U.S.C., 1934 edition, supplement V, title 50, section 98-98b), or section 5d of the Reconstruction Finance Corporation act, as amended.

(5) Any other commodity or article for defense.

The Secretary of the Treasury would have broad authority to issue rules and regulations for the application and administration of the act, and the United States agencies authorized to determine the status of an article would include "without limitation, any corporation all the capital stock of which is owned or controlled directly or indirectly by the United States."

U.S. to Get Strategic Materials From Mexico

OPD Washington Bureau
July 16, 1941

Jesse Jones, Administrator of the Federal Loan Agency, announced today that the agency, acting through Metals Reserve Company and the Defense Supplies Corporation, in conjunction with the State Department, has completed arrangements which, for the next eighteen months, will make available to this country or other countries of the Western Hemisphere the exportable surplus of Mexican strategic and critical materials.

Included among the materials covered by this agreement are antimony, copper, graphite, lead, mercury, tungsten, tin, zinc and henequen. All of these materials are needed in the defense program. Under the arrangement, Metals Reserve and Defense Supplies will buy, at the market current at the time of purchase, any surplus of these strategic commodities not sold to private industry in the Western Hemisphere. The Mexican government has issued a decree providing that exports of these commodities may be made only to points within the Western Hemisphere.

In addition to the Mexican pact, the United States already has agreements for large purchases of strategic materials with Chile, Bolivia and Brazil. Discussions looking toward the signing of a similar agreement were opened with Argentina. Argentina has exported to the United States tin, manganese, antimony, tungsten, platinum and beryllium, as well as wool, hides and tanning and dyeing materials.

Bids Wanted

—Continued from page 4

Bleaching Powder:—12,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 5, opening July 21.
Boiler Compound:—20,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 7899, opening July 29.
Bromine:—200 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 5, opening July 21.
Carbon Tetrachloride:—90,000 gallons; Commanding Officer, Frankford Arsenal, Pa.; invitation 34, opening July 21.
5,500 gallons; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 5, opening July 21.
Chlorine:—6,000 pounds; Purchasing & Contracting Officer, Office of the Quartermaster, Langley Field, Va.; invitation 481-3, opening July 23.
Chloroform:—800 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 5, opening July 21.
Coaltar Enamel:—24 tons; General Purchasing, Panama Canal, Washington; schedule 5328, opening July 28.
Gasoline:—Supplies of; Army Quartermaster, Gurdon, Ark.; invitation 1791-1, opening July 25.
Insecticide:—2,500 gallons; Director, Bureau of Prisons, Department of Justice, Washington; invitation 3002, opening July 24.
Lead, Antimonial:—6,000,000 pounds; Commanding Officer, Frankford Arsenal, Pa.; invitation 13, opening July 22.
Naphthalene:—3,000,000 pounds; Quartermaster Depot, 1819 Pershing Road, Chicago; invitation 199-13, opening July 23.
Nitric Acid:—2,100 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 83, opening July 29.
600 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 5, opening July 21.
Oleum:—1,000,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 46, opening July 21.
Rust Preventive Compound:—30,000 pounds; Quartermaster Depot, 1819 W. Pershing Road, Chicago; invitation 199-16, opening July 22.
Salt, Rock:—120 tons; Quartermaster, Marine Corps, Washington; schedule 174, opening July 28.
Soda Ash:—80,000 pounds; Quartermaster, Fort Leavenworth, Kans.; procurement 483-2, opening August 1.
5,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 74, opening July 29.
Soda Bromide:—300 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 5, opening July 21.

Chile to Regulate All Exports for Three Years

Santiago, Chile, July 17, 1941

Congress has approved a law giving the president power to prohibit the export of all merchandise of Chilean or foreign manufacture for three years. Under its terms no Chilean products will be exported that are necessary for the Chilean people. It was said, however, that the government will be careful not to let enforcement hit Chilean industries too severely.

Industrial Uses of Chemicals and Related Materials

("Where You Can Sell")

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(Parenthetical figures are the numbers of patents in the United States or other countries, as designated)

Benzylideneacetone

(Acetocinnamone, Benzalacetone, Benzilidenacetona, Benzylidenaceton, Benzylidin Acetone, Dibenzylideneacetone, Methylcinnamyl Ketone, Methylstyryl Ketone, Monobenzylideneacetone)

Chemical

Reactant in—
- Organic syntheses

Starting point in making—
- Cinnamic acid

Cosmetic

Odorant in—
- Lotions
- Perfumes
- Toilet waters

Glass

Absorbent (French 648990) for—
- Rays (of a wave-length below 0.00033 m/m) harmful to nitrocellulose in nonscatterable glass

Perfume

Fixative in—
- Perfumes

Note donator in—
- New-mown hay odors
- Sweetpea odors

Odorant donating—
- Aromatic principle of sweetpea

Soap

Odorant in—
- Toilet soaps

Rubber

Process material (U.S. 1161904) in making—
- Artificial rubber

4:4'-Bis-(para-anilinosulphonamido)diphenylmethane

Pharmaceutical

Claimed (Brit. 502173) to be—
- Therapeutically valuable product for treating bacterial infectious diseases

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Calcium Hydroxide

Chemical

(Continued from June 14 issue)

Purifying agent for—
- Benzene (U.S. 1484167
- Calcium acetate (U.S. 1213724)
- Carbon tetrachloride (U.S. 1484167)
- Chloroethylene (U.S. 1484167)
- Chloroform (U.S. 1484167)
- Lactose (U.S. 1314203)
- Sodium phosphate solutions (U.S. 2053319)

Purifying agent in making—
- Ammonium thiocyanate solutions U.S. 1908515)
- Cresol (U.S. 1445668)
- Lead carbonate (basic) (U.S.2018438)
- Lead sulphate (basic) (U.S. 2018438)

Reactant in making—
- Ammonia and calcium chloride in the ammonia-soda process

Reagent (Brit. 395296) in making—
- Soluble organic calcium salts useful as medicinal products

Reagent for removing iron from—
- Aluminum solutions (U.S. 1421804)
- Zinc sulphate solutions (U.S.1427826)

Regenerating agent (U.S. 1349750) for—
- Ammonium hydroxide

Starting point in making—
- Calcium salts

Starting point (special) in making—
- Calcium acetate (U.S. 1276643, 1314765, and 1360046)
- Calcium acetylsalicylate (U.S. 1217862 and 1225407)
- Calcium alginate (U.S. 1415849)
- Calcium arsenate (U.S. 1188740, 1237815, 1266258, 1417232, 1428946, 1434650, 1475545, 1504627, 1505648, 1505718, 1513934, and 1517516)
- Calcium benzenedisulphonate (U.S. 1314138)
- Calcium benzenesulphonate (U.S. 1301360)
- Calcium benzoate (U.S. 1458491 and 1463190)
- Calcium bisulphite (U.S. 1165281, 1303314, 1315811, 1340649, 1341790, 1378616, 1424883, 1458310, and 1499898)

Starting point (special) in making—
- Calcium carbide (U.S. 1319426)
- Calcium carbonate (U.S. 1141266, 1178962, 1188505, 1202317, 1210726, 1266339, 1312127, 1323228, 1359782, 1372193, 1379157, 1436230, and 1517996)
- Calcium chloride (U.S. 1153502, 1238916, 1253055, 1262939, and 1379680)
- Calcium chromate (U.S. 1326123 and 1429001)
- Calcium citrate (U.S. 1141458, 1288293, and 1491390)
- Calcium cyanamide (U.S. 1326310)
- Calcium diethylbarbiturate (U.S. 1461831)
- Calcium ferrocyanide (U.S. 1253571)
- Calcium fluoride (U.S. 1215351 and 1501587)
- Calcium formate (U.S. 1185028 and 1423753)
- Calcium hydrosulphide (U.S.1379855)
- Calcium hypochlorite (U.S. 1155605, 1221505, 1236978, 1261572, 1409955, 1421503, 1426752, 1440620, 1481039, 1481106, 1481107, 1483463, and others)
- Calcium malate (U.S. 1141458)
- Calcium manganate (U.S. 1318891)
- Calcium nitrate (U.S. 1214003)
- Calcium oleate (U.S. 1345476)
- Calcium oxalate (U.S. 1349947, 1466624, 1466626, and 1466628)
- Calcium oxychloride (U.S. 1282188, 1376523, and 1422337)
- Calcium pentasulphide (U.S. 1254908 and 1517522)
- Calcium permanganate (U.S. 1318891 and 1453562)
- Calcium phosphates (U.S. 1235025, 1286187, 1287592, 1293403, 1293404, 1388857, 1425747, 1435416, and 1493100)
- Calcium polycarboxylate (U.S. 1425605)
- Calcium saccharate (U.S. 1378762)
- Calcium silicate (U.S. 1282222 and 1388857)
- Calcium sulphate (U.S. 1163286, 1210726, 1295080, 1492488, and 1492489)
- Calcium sulphide (U.S. 1502213)
- Calcium sulphite (U.S. 1165281, 1312127, 1315811, 1326384, and 1343897)
- Calcium tannate (U.S. 1352768)
- Calcium tartrate (U.S. 1141458)
- Calcium titanate (U.S. 1436164)
- Calcium tungstate (U.S. 1293402, 1293403, 1293404, 1322485, and 1388857)
- Calcium vandate (U.S. 1430864)
- Calcium-magnesium vanadate (U.S. 1392745)

Dye

Process material in making—
- Alizarin (U.S. 1150152)
- Anilin (U.S. 1239822)
- 2-Nitroanisole (U.S. 1325168)
- 4-Nitroanisole (U.S. 1325168)
- Sulphatoethylanilin (U.S. 1483084)

Purifying agent for—
- Anthraquinone (U.S. 1404056)
- Calcium acetate (U.S. 1213724)

Pharmaceutical

In compounding and dispensing practice

Process material in making—
- Carron oil
- Lime water

Suggested for use as—
- Antacid
- Astringent
- Curd-inhibitor for milk
- Depilatory
- Digestant
- Escharotic
- Source of calcium
- Tonic

2-Chlorobenzoxazole

Chemical

New chemical available for experimental use

Mono-octoin

Chemical

Starting point (U.S. 2023387) in making—
- Wetting agents by admixture with monolaurin sulphate

Miscellaneous

Starting point (U.S. 2023387) in making—
- Agents for preventing spluttering of hot fat by admixture with monolaurin sulphate

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3-Nitro-2-iodotoluene

Chemical

New chemical available for experimental use

Platinium-Iridium Alloys

(The most important of the platinum alloys; contain from 0.1 percent to 30 percent of iridium)

Automotive

Alloy for making—
- Distributor contact points

Electrical

Alloy for making—
- Contact parts
- Fuse wire

Miscellaneous

Alloy for making—
- Hard, noncorrodible parts
- Hypodermic needles
- Jewelry and similar ornamental effects
- Laboratory ware

Undecanol-6 Sulphate Ester

Chemical

Emulsifying agent (Brit. 461662) for various chemicals

Fats, Oils, and Waxes

Emulsifying agent (Brit. 461662) in making—
- Emulsions of fats, or oils, or waxes for various purposes

Leather

Emulsifying agent (Brit. 461662) in making—
- Dressing compositions
- Finishing compositions
- Soaking compositions
- Softening compositions
- Waterproofing compositions

Miscellaneous

Emulsifying agent (Brit. 461662) in making—
- Emulsions of various products

Paper

Emulsifying agent (Brit. 461662) in making—
- Coating compositions
- Sizing compositions
- Waterproofing compositions
- Waxing compositions

Textile

Emulsifying agent (Brit. 461662) in making—
- Emulsified compositions used in—
  - Bleaching processes
  - Dyeing processes
  - Finishing processes
  - Manufacturing processes
  - Printing processes

Zinc Naphthenate

(Naphtenate de Zinc, Naphtenate Zincique, Naphtensoeureszink)

Cellulose Products

Wetting agent (Brit. 417290 and 446757) in—
- Desulphurizinng processes for viscose products

Chemical

Catalyst (Brit. 396311) in making—
- High-molecular alcohols from fats, oils, waxes, or fatty acids

Ingredient (Brit. 481389) of catalytic mixtures used in making—
- Diethyleneglycol vinylethylether
- Diethylidenefructose vinylether
- Diethylideneglucose vinylether
- Ethyleneglycol monoacetatovinylether
- Glycerol acetate vinylethers (mixtures)

Insecticide and Fungicide

Ingredient of—
- Fungicides
- Insecticides
- Parasitidides (especially for hen roosts)

Lubricant

Stabilizer in—
- Emulsified oils

Stabilizer (special) (US 2001108) in—
- Lubricating oils
- Transformer oils

Paint, Varnish, and Lacquer

Blending agent for—
- Difficultly miscible or immiscible bodies

Disinfectant and decomposition retardant in—
- Painter's dry starch sizes
- Paints, varnishes, enamels

Dispersing medium in—
- Grinding processes

Drier in—
- Paints, varnishes, enamels, and other coatings (used either as the single salt or as part of complexes)

Hardening agent for—
- Alkyd resin coatings

Reactant (Germ. 576939) in making—
- Homogenous drying extracts readily soluble in drying oils and volatile organic solvents

Wetting agent in—
- Paints, varnishes, enamels, and other coatings

Rayon

Wetting agent (Brit. 417290 and 446757) in—
- Desulphurizing processes for viscose rayon

Resins

Hardening agent for—
- Alkyd resin coatings

Textile

Ingredient (Brit. 471415 and 491501) of—
- Rotproofing compositions for treating canvas

Starting point in making—
- Mildewproofing agents (with waxes and other ingredients) for treating canvas
- Rotproofing agents (with waxes and other ingredients) for treating canvas
- Waterproofing agents (with waxes and other ingredients) for treating canvas

Wood

Impregnating agent and preservative for—
- Timber

Ingredient of—
- Preservative compositions for timber

Proofing agent against—
- Mildew
- Moulding
- Rot

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JAR and pebble mills, new and used. New 1 gal.-4 gal. jar mills; used 36x42 silex lined pebble mill; 50 gal. dough mixer; 6 ft. Hardinge pebble mill; 300 h.p. Heine straight tube code boiler, 160 lbs. allowed. Lawler Company, Metuchen, N. J.

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Aluminum Relief Plan Offered by C.I.O.

—Continued from page 3

problems such as the aluminum shortage, are matters of national concern, not a mere private business worry. The program calls for the immediate creation of an aluminum industry committee on which labor and industry would have equal representation and with a representative of the government as chairman.

Other suggestions in the program were as follows:—

1. Full priorities in all construction materials to facilitate erection of new aluminum plants with a capacity of one billion pounds annually.

2. Expansion of Arkansas bauxite mining operations, which the Bureau of Mines estimates can be stepped up 300 percent in two months' time and 500 percent in four months. Private owners of bauxite would be required to sell this mineral in needed amounts to new aluminum producers, as the industry council see fit. The union also advocates accumulation of stockpiles of South American bauxite and greatly intensified research on the commercial use of domestic low-grade bauxite.

3. Rationing of nondefense and luxury uses of power; interconnecting of power generating stations; immediate construction of steam generating facilities and other power developments.

4. The training of a labor force to operate the projected plants, responsibility for which will be assumed by the union.

5. Promotion of industrial peace through the perfection and extension of sound collective bargaining relations between management and organized labor.

Meanwhile, Director General William S. Knudsen of OPM and Associate Director General Sidney Hillman, replying to a statement made by Walter D. Fuller, president of the National Association of Manufacturers, to the effect that no actual shortage of aluminum has been evident in defense producing plants, despite the evident need for aluminum in nondefense industries, issued a statement in which they say that military demands, direct and indirect, for aluminum from July 1 through December 31 will require approximately 400,000,000 pounds and that production of virgin aluminum ingots in that period will be 327,000,000 pounds, with additional production from secondary metal sufficient to aggregate about 400,000,000 pounds. The OPM officials say that the aluminum from secondary sources "cannot be used widely for direct military requirements. They conclude as follows:—

Certain statements have been made within recent days relative to the availability of aluminum for defense needs.

These statements have been to the effect that there is no shortage of aluminum for defense requirements.

In a period of rapidly expanding production, it is natural that temporary shortages occur from time to time. The Office of Production Management is glad to be able to state that it has received no reports of any substantial curtailment of defense operations caused by a lack of aluminum.

However, these recent statements tend to carry the implication that there is no problem involved in the supply of sufficient quantities of aluminum for defense work. This is a false implication.

Any statement which, directly or by implication, gives the impression that the supply of aluminum for military requirements does not present a critical problem, is not in accord with the facts and can only result in harm to the defense program.

J. Burge, who retired some years ago as president of the Peaslee Gaulbert Company, Louisville, has announced as a candidate for the Republican nomination for the post of sheriff of Jefferson county, Ky. He is seventy-five years of age.

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OPM Recommends Five Firms for Aluminum Output

The Office of Production Management has recommended five companies to operate new government-owned aluminum plants to produce an additional 600,000,000 pounds of aluminum annually. Construction of a plant, likewise to be owned by the government, and operated during the emergency by the Aluminum Company of America for the production of 400,000,000 pounds of alumina annually, also has been recommended to the War Department by OPM. Production of alumina from bauxite is a preliminary step in the manufacture of aluminum. This will be the first alumina plant ever designed for the combined treatment of both high-grade and low-grade bauxite ores.

Names of the companies recommended, the capacity of the plans proposed for their operation, and the locations recommended to date follow:—

Aluminum Company of America, 100,000,000 pounds, Arkansas; Aluminum Company of America, 90,000,000 pounds, Bonneville-Grand-Coulee area; Union Carbide & Carbon Company, 60,000,000 pounds, Spokane, Wash.; Reynolds Metals Company, 100,000,000 pounds, Listerhill, Ala.; Bohn Aluminum & Brass Company, 70,000,000 pounds, Los Angeles, Calif.; Olin Corporation, 30,000,000 pounds, Tacoma, Wash.; Aluminum Company of America, 150,000,000 pounds, Massena, New York.

An arrangement has been worked out with the Aluminum Company of America under which that company will design and supervise the construction, on a no-profit basis, of the plants to be operated by the Union Carbide & Carbon Company and the Olin Corporation. This will eliminate the necessity of these two companies from engaging in preliminary investigations of plant design, and therefore will speed construction.

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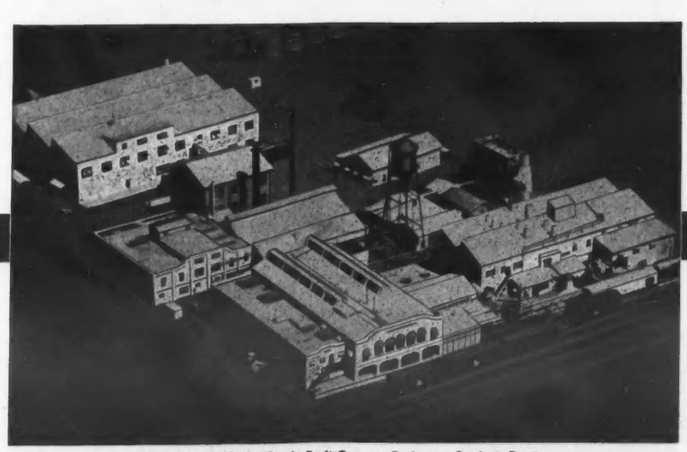

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